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Air Quality Monitoring Report Ontario 1971 Vol. 4



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TL Air Quality Monitoring Report
Ontario 1971

Volume 4 - Total Oxidants, Nitrogen Oxides,
Carbon Monoxide and Total Hydrocarbons



PL Ministry of the Environment
Air Management Branch

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TOTAL OXIDANTS

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	14049	156 Victoria St. Sarnia	12	8
	15001	King-Rectory London	12	15
2	29025	Barton-Wentworth Hamilton	10	22
3	31001	67 College St., 5th Floor Toronto	11	28
	34002	Science Centre North York	6	35
	35003	Elmcrest Road Etobicoke	10	39
5	51001	MacDonald Gardens Ottawa	12	45
	56051	Memorial Park Cornwall	7	52
7	77016	Ash St. Sudbury	12	57

NITROGEN OXIDES

1	12008	471 University Ave. Windsor	11	64
	14049	156 Victoria St. Sarnia	12	71
	15001	King-Rectory London	11	78
	16001	Horticultural Station Simcoe	4	85
3	31001	67 College St., 5th Floor Toronto	12	88
	33002	Pharmacy-Hwy. 401 Scarborough	8	95
	34002	Science Centre North York	6	100
	34007	Bathurst-Wilson North York	3	104
	35003	Elmcrest Road Etobicoke	5	107
5	51001	MacDonald Gardens Ottawa	9	111
	56051	Memorial Park Cornwall	12	117

Region	Station Number	Location	No. of Months	Page
7	77016	Ash St. Water Tank Sudbury	11.....	124

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	14049	156 Victoria St. Sarnia	12.....	138
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	56051	Memorial Park Cornwall	11.....	211
7	77016	Ash St. Sudbury	5.....	218

TOTAL HYDROCARBONS

1	12008	471 University Ave. Windsor	12.....	222
	14049	Victoria St. Sarnia	12.....	229
	15001	King-Rectory London	12.....	236
	16001	Horticultural Station Simcoe	2.....	243

Region	Station Number	Location	No. of Months	Page
2	29025	Barton-Wentworth Hamilton	11	245
3	31001	67 College St., 5th Floor Toronto	12	252
	31081	67 College St., 1st Floor Toronto	12	259
	33002	Pharmacy-Hwy. 401 Scarborough	11	266
	33003	Lawrence-Kennedy Scarborough	8	273
	34002	Science Centre North York	10	278
	34007	Bathurst-Wilson North York	8	284
	35003	Elmcrest Road Etobicoke	11	289
	35033	Evans-Arnold Etobicoke	12	296
7	77016	Ash St. Water Tank Sudbury	11	303

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - 471 UNIVERSITY WINDSOR OAMST NO 12008

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	5	1	1	3
FEB	25	2	3	4
MAR	27	2	3	4
APR	27	2	5	9
MAY	31	4	6	11
JUN	30	5	10	19
JUL	31	4	6	14
AUG	29	5	10	20
SEP	DATA MISSING			
OCT	18	2	4	6
NOV	27	2	3	11
DEC	31	1	2	6
YEAR	281	3	10	20

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL OXIDANTS

UNIT - PARTS PER HUNDREDMILLION

STATION - 471 UNIVERSITY WINDSOR OAMST NO 12008

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 14	15 & OVER	TOTAL
JAN	74	30	0	0	0	0	104
FEB	228	294	3	0	0	0	525
MAR	132	447	4	0	0	0	583
APR	163	382	52	11	0	0	608
MAY	52	330	247	64	1	0	694
JUN	54	269	198	127	29	4	681
JUL	117	241	270	52	7	0	687
AUG	79	220	161	107	31	6	604
SEP	DATA MISSING						
OCT	133	199	41	0	0	0	373
NOV	285	269	9	1	2	0	566
DEC	485	201	5	0	0	0	691
YEAR	1802	2882	990	362	70	10	6116

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
76	0	0.3	1.0	1.6	2.5	5.1	7.2	9.3	10.6	20	2.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

		POLLUTANT - TOTAL OXIDANTS										UNITS - PARTS PER HUNDREDMILLION														
		STATION - VICTORIA ST SARNIA OAMST										MONTH JAN 71														
		NO 14049																								
HOURLY DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		2	2	2	2	1	1	2	2	1	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2
2		2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4		3	3	3	3	3	3	3	3	2	3	***	2	1	1	1	1	1	1	2	2	1	2	2	2	2
5		2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6		1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7		1	1	1	1	1	1	1	1	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
8		***	***	***	***	***	***	***	***	***	***	***	1	2	2	2	1	1	1	2	2	2	2	2	3	***
9		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10		3	3	3	3	3	3	3	2	2	3	3	3	***	0	1	1	0	0	0	1	1	1	0	1	2
11		1	1	0	0	0	0	0	1	1	1	1	1	0	1	1	1	***	***	***	***	***	***	***	***	1
12		***	***	***	***	***	***	***	***	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	***
13		2	2	2	2	3	3	3	2	***	1	1	1	2	2	2	2	2	2	3	2	2	2	2	2	2
14		2	2	2	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15		2	2	2	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16		2	2	2	2	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17		2	2	2	2	2	2	2	2	***	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18		2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
19		2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
20		2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2
22		3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23		3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24		1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
25		3	2	3	3	2	2	2	2	2	***	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
26		2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27		3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28		2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
29		2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2
30		2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2
31																										
- DATA MISSING -																										
MEAN		2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 87

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

		POLLUTANT - TOTAL OXIDANTS										UNITS - PARTS PER HUNDREDMILLION														
		STATION - VICTORIA ST SARNIA OAMST										MONTH FEB 71														
		NO 14049																								
HOURLY DAY		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																										
2																										
3																										
4		***	***	***	***	***	***	***	***	***	***	***	***	1	1	1	1	1	1	1	1	1	1	1	1	***
5		1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8		1	2	2	2	2	2	2	2	***	***	***	3	3	4	3	3	3	3	3	3	3	3	3	3	3
9		3	3	3	3	2	2	2	2	***	***	1	2	2	2	3	3	3	2	2	2	2	2	2	2	2
10		1	1	1	1	1	1	2	2	***	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	1
11		0	0	0	0	0	0	1	***	2	2	1	1	1	1	2	2	2	1	1	2	2	2	2	2	1
12		1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13		3	3	3	3	3	3	3	3	***	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	3
14		1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
15		1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16		1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17		1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18		1	1	1	1	1	1	1	1	2	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19		2	2	2	2	2	2	2	3	2	***	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
20		1	1	0	0	1	1	1	1	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21		1	1	1	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22		1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	***
23		1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1
24		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25		***	***	***	***	***	***	***	***	***	***	1	1	2	1	1	1	1	1	1	1	1	1	1	1	***
26		1	1	1	1	1	1	1	1	1	2	3	3	2	3	3	3	2	2	2	2	2	2	2	2	2
27		2	2	4	4	2	3	2	2	2	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3
28		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
MEAN		1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 81

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - VICTORIA ST SARNIA OAMST

NO 14049

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	0	1	1	1
2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	3	3	3	3	2	2	2	2	2	2	2
3	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	3	3	3	3	3	3	3
5	3	3	3	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	3	2	2	3
6	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	2
7	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	2	2	2	2	2	2	2	3	4	4	3	3	3	3	3	3	3	3	3	3	3
9	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	2	2	1	2	2	2
10	1	2	1	1	1	1	2	2	3	3	3	3	4	3	3	4	4	3	3	3	2	2	2	2	2
11	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3	2	2	2	2
12	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	4	4	3	3	2	2	2	2
13	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	4	3	3	2	2	2	2	2	2
14	2	2	2	2	2	2	2	2	1	1	1	1	1	1	5	5	5	4	4	4	4	3	3	3	3
15	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	2	2	1	1	2	3
16	1	1	1	2	2	2	1	1	1	1	1	4	4	4	4	5	4	4	4	4	4	4	3	3	3
17	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	1	2	2	2	2	2	2	2	2	2	2	2	1	1	2	3	3	3	2	2	3	2	2	2	2
20	3	2	3	3	3	3	2	3	2	4	3	4	4	4	3	3	3	3	2	2	2	2	2	2	3
21	2	2	2	2	2	2	1	2	1	1	1	2	2	2	2	3	3	2	2	3	3	3	3	2	2
22	3	3	3	3	3	3	3	3	3	3	3	4	4	5	5	5	5	4	4	3	2	2	2	2	3
23	2	2	2	2	2	2	2	2	2	2	2	3	3	4	4	5	4	3	2	2	2	2	1	1	3
24	2	2	2	2	1	1	1	1	2	2	3	3	3	3	3	3	3	2	2	2	2	2	1	1	2
25	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	2	2	2	2	2	2	2	3
26	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	2	2	2	2	2	2	2
27	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	2	2	2	2	2	2	2
28	2	2	2	2	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29																									
30																									
31																									
MEAN	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 76

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - VICTORIA ST SARNIA OAMST

NO 14049

MONTH APR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6	4	4	4	4	4	3	3	3	4	4	5	5	5	5	6	5	5	5	5	4	4	4	4	4	4
7	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	6	5	5	5	4	4	3	3	3	3
9	2	2	2	2	2	2	2	2	2	2	3	3	4	5	5	5	5	5	5	4	4	3	3	3	3
10	3	3	3	3	3	3	2	3	3	3	3	4	4	4	4	4	4	3	3	2	2	2	2	2	3
11	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	4	4	4	4	4	3	3	3	2	3
12	2	2	2	2	2	3	3	3	3	4	4	4	4	4	5	5	5	5	4	4	3	4	4	4	4
13	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
14	3	3	2	2	2	2	1	2	2	2	2	4	4	4	4	4	4	4	3	2	2	2	2	2	3
15	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	5	6	5	5	4	2	2	2	2	3
16	2	2	2	2	2	2	2	2	2	2	2	3	4	4	4	4	3	3	2	2	2	2	2	2	3
17	2	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	2	2	2	2	2	2	2	2	2
18	2	1	1	1	1	1	1	1	1	1	1	2	3	3	4	4	4	4	3	3	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	3	3	2	2	2	2	2	2
20	1	1	1	1	2	2	2	2	2	2	3	3	4	7	8	9	11	9	7	8	7	3	3	3	4
21	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3
22	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	2	1	1	1	1	3
23	1	2	2	2	2	2	2	2	2	2	2	3	3	3	4	5	4	4	3	2	2	1	3	3	3
24	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	2	3
25	1	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
26	2	2	2	2	2	3	3	2	2	2	2	2	3	4	3	3	3	3	3	2	2	2	2	2	2
27	1	2	2	2	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2
30	2	2	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2
MEAN	2	2	2	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	3	3	3	2	2	2	3

PERCENTAGE OF DATA VALID - 78

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS												UNITS - PARTS PER HUNDREDMILLION														
STATION - VICTORIA ST SARNIA OAMST												NO 14049 MONTH JUL 71														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	5	4	4	3	3	3	3	3	3	***
2	2	2	2	2	2	1	2	***	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3
3	3	3	2	2	2	2	3	***	4	4	5	7	9	9	9	8	8	7	8	8	6	5	5	5	5	5
4	5	5	4	3	3	2	4	***	5	6	10	9	9	9	9	9	9	7	8	7	6	6	6	6	6	5
5	5	5	3	3	2	2	2	2	***	***	***	***	***	***	***	***	8	5	5	5	5	4	3	4	4	4
6	4	4	4	4	3	2	2	***	4	5	6	6	6	7	7	8	8	8	8	6	5	3	3	2	5	5
7	2	3	3	3	3	3	3	4	5	9	12	12	11	12	11	13	15	9	6	5	3	2	2	2	6	6
8	2	2	2	2	2	2	3	***	5	5	6	9	9	6	9	9	8	9	8	7	6	6	5	4	5	5
9	5	5	5	5	5	6	4	***	***	5	5	5	5	6	6	6	6	5	5	5	4	2	2	2	5	5
10	2	2	2	2	2	2	3	***	4	4	4	4	4	4	4	4	4	3	***	***	***	***	***	***	3	3
11	- DATA MISSING -																									
12	***	***	***	***	***	***	***	***	***	***	5	6	6	6	5	5	5	5	5	4	4	4	4	4	4	***
13	4	3	3	3	3	2	2	***	3	4	8	6	6	6	5	5	7	7	7	5	3	3	3	3	3	4
14	2	2	2	2	1	1	2	2	3	4	4	3	3	3	3	3	3	3	3	3	2	1	1	1	2	2
15	2	2	1	1	2	1	2	***	3	3	4	4	4	4	4	5	5	5	4	3	3	3	3	2	3	3
16	2	2	2	2	2	2	2	2	5	5	4	4	5	5	5	5	5	6	6	5	4	4	4	4	4	4
17	4	3	3	3	3	2	2	1	2	2	3	3	4	4	4	4	4	4	4	3	2	3	3	2	3	3
18	2	1	2	1	1	1	2	1	3	3	4	4	5	5	6	6	6	6	7	7	7	6	6	4	4	4
19	4	4	4	4	5	5	4	***	***	4	6	8	8	5	4	4	4	4	4	4	3	3	3	2	4	4
20	2	2	2	2	2	2	2	***	4	5	5	5	6	6	6	6	6	6	5	4	2	2	2	2	4	4
21	4	4	4	3	2	2	5	***	5	6	6	8	12	8	8	12	11	9	7	5	4	4	4	4	6	6
22	4	3	2	2	2	2	2	***	5	7	9	11	11	11	11	10	9	8	7	6	4	4	3	3	6	6
23	3	3	3	3	3	3	4	***	6	7	11	14	15	15	18	17	14	10	9	6	5	4	4	5	8	8
24	8	7	6	6	5	5	5	***	5	5	6	6	6	7	8	8	8	8	6	5	5	5	4	4	5	6
25	4	5	4	3	3	2	2	***	6	10	9	11	12	10	11	10	10	9	10	10	11	11	11	10	8	8
26	8	6	5	5	4	4	4	***	5	6	6	5	***	6	6	6	6	6	5	4	3	3	2	3	5	5
27	3	2	3	3	2	2	2	2	3	4	5	6	5	8	9	8	6	5	4	4	4	3	3	3	4	4
28	3	2	2	2	2	2	2	2	***	4	4	5	5	5	5	5	4	3	3	2	2	2	2	2	3	3
29	2	2	1	1	1	1	1	2	3	4	5	5	5	5	5	6	7	6	5	4	4	3	3	3	4	4
30	4	2	2	3	3	2	2	2	3	4	5	5	4	5	5	6	7	7	7	5	4	4	4	3	4	4
31	3	2	3	3	3	3	2	3	5	5	6	6	7	7	8	7	7	6	6	5	4	3	3	2	5	5
MEAN	4	3	3	3	3	2	3	2	4	5	6	6	7	7	7	7	7	6	6	5	4	4	4	3	5	5
PERCENTAGE OF DATA VALID -		88																								

PERCENTAGE OF DATA VALID - 88

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS										UNITS - PARTS PER HUNDREDMILLION															
STATION - VICTORIA ST SARNIA OAMST										NO 14049 MONTH AUG 71															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	3	2	4	6	6	6	6	6	7	8	7	6	7	5	6	6	5	5	5	5
2	6	6	6	5	3	3	5	5	8	7	8	13	13	12	12	12	9	9	6	6	5	5	4	4	7
3	3	3	3	3	3	2	2	1	***	***	***	3	3	3	3	2	2	2	2	2	2	2	2	2	2
4	1	2	2	2	2	2	1	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2
5	3	2	2	2	1	2	2	2	3	4	4	4	4	4	4	4	4	4	4	3	3	2	3	3	3
6	3	2	2	1	2	2	2	2	3	3	4	6	6	7	8	8	8	7	5	3	3	4	3	3	4
7	3	2	2	3	2	2	2	2	3	5	5	5	5	6	6	5	5	5	5	4	3	3	3	2	4
8	3	3	3	3	3	3	2	4	4	4	4	5	6	7	11	11	11	10	8	6	5	5	5	5	6
9	6	5	5	3	5	5	5	4	***	13	***	14	13	13	17	20	17	14	11	9	6	5	3	4	9
10	3	4	4	4	4	3	2	2	4	5	8	11	10	7	8	6	***	4	4	4	4	3	2	1	5
11	2	3	2	3	3	2	2	2	3	3	3	3	4	4	4	4	4	4	4	3	2	2	2	2	3
12	1	1	2	1	2	2	2	2	3	4	4	4	6	9	10	8	8	9	8	5	4	3	3	3	4
13	3	3	2	2	2	2	2	2	3	3	6	7	8	10	12	13	12	8	8	9	7	5	4	3	6
14	2	3	2	3	2	2	2	2	4	6	6	8	7	7	7	7	8	7	6	5	5	***	***	***	5
15	DATA MISSING																								
16	***	***	***	***	***	***	***	***	4	5	5	5	5	5	5	8	8	8	6	4	2	2	1	0	5
17	0	1	1	0	1	1	1	1	4	5	9	10	13	16	18	17	16	16	8	9	6	4	4	3	7
18	2	2	2	2	2	2	2	2	***	16	13	10	12	12	11	11	12	14	12	9	9	8	7	6	8
19	6	4	4	3	2	3	5	6	8	8	8	9	12	16	14	15	13	11	9	6	5	6	7	6	8
20	4	5	3	3	3	3	2	2	6	6	6	7	8	8	7	6	5	4	3	2	2	3	3	4	4
21	3	6	5	2	4	4	4	4	6	5	4	4	5	5	5	5	5	5	4	3	3	3	3	2	4
22	2	3	3	3	3	3	2	1	4	7	9	9	8	9	9	9	10	10	9	7	5	5	5	5	6
23	4	4	4	4	4	4	3	3	2	***	***	***	***	1	1	2	2	2	2	2	2	2	2	2	3
24	1	2	1	1	1	1	2	3	4	4	3	4	5	6	5	6	10	6	6	7	7	6	5	6	4
25	5	4	4	4	4	3	3	3	4	4	4	4	4	5	5	5	4	4	4	3	2	2	2	2	4
26	2	2	2	2	3	3	2	2	4	5	7	6	5	5	5	4	4	5	5	5	5	6	6	5	4
27	5	6	5	4	4	4	2	3	2	4	4	4	5	6	6	6	6	6	5	5	5	4	4	4	5
28	4	4	4	4	4	3	3	3	***	4	4	4	4	6	7	7	8	6	5	4	3	3	3	4	4
29	2	3	3	2	3	2	2	2	***	4	5	6	6	7	7	7	7	6	6	8	8	8	***	***	5
30	***	***	***	***	***	***	***	***	***	***	8	9	9	8	***	***	***	***	***	***	***	***	***	***	***
31	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	4	4	4	4	4	2	1	1	1	0
MEAN	3	3	3	3	3	3	2	3	4	6	6	7	7	7	8	8	7	7	6	5	4	4	3	3	5
PERCENTAGE OF DATA VALID -		88																							

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

HOUR DAY	POLLUTANT - TOTAL OXIDANTS												UNITS - PARTS PER HUNDREDMILLION													MEAN
	STATION - VICTORIA ST SARNIA OAMST												NO 14049													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	3	4	5	4	2	2	3	****	4	****	****	****	3	3	3	3	3	2	5	3	3	****	3	4	3	
2	3	3	1	1	1	1	2	3	2	3	3	2	2	2	2	2	3	2	2	3	****	****	****	****	2	
3																										
4																										
5																										
6																										
7																										
8																										
9	****	****	****	****	****	****	****	****	****	****	****	****	3	3	4	3	4	3	2	2	2	2	2	2	****	
10	2	2	2	3	2	2	2	3	****	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	
11	3	3	3	3	3	3	3	2	****	2	2	2	2	2	3	3	2	2	3	3	4	4	4	4	3	
12	4	3	3	2	2	2	3	3	****	3	3	2	4	4	3	4	4	4	4	4	4	5	8	5	4	
13	3	2	3	3	3	3	3	2	****	3	4	3	3	3	4	3	3	2	2	2	2	3	2	2	3	
14	2	2	2	1	1	1	1	1	1	1	1	2	2	3	3	4	4	3	3	3	3	4	3	2	2	
15	2	3	2	2	3	3	3	5	****	3	3	4	4	5	5	5	4	3	3	3	2	2	3	3	3	
16	2	3	3	3	2	3	3	2	****	3	2	2	3	4	4	4	4	3	3	2	2	3	2	2	3	
17	2	1	2	2	2	2	2	3	****	2	4	4	4	4	4	4	3	3	2	2	2	3	2	2	3	
18	2	2	2	2	2	2	2	3	****	3	4	4	4	4	4	4	3	3	3	3	3	3	3	3	2	
19	2	1	2	1	2	2	1	1	****	2	1	2	2	3	3	3	3	3	3	3	3	3	3	3	2	
20	2	2	2	2	2	2	2	2	****	2	2	2	2	3	3	2	3	2	2	2	2	2	2	2	2	
21	2	2	2	3	3	3	3	3	****	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	
22	3	3	3	3	2	2	2	2	****	****	****	****	****	****	4	4	3	3	3	2	2	2	2	2	3	
23	1	1	1	1	1	1	1	3	****	5	5	5	5	4	4	4	3	3	3	3	4	4	3	3	3	
24	3	3	3	3	3	3	2	2	****	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	
25	2	2	2	2	1	1	1	2	****	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	
26	2	2	2	2	2	2	2	2	****	2	3	3	2	3	2	2	2	2	2	2	3	3	3	3	3	
27	2	2	2	2	2	1	1	1	****	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	
28	2	2	2	2	2	2	2	3	****	2	2	3	3	3	4	3	3	2	2	2	2	2	2	2	2	
29	2	2	2	1	2	2	3	3	****	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
30	3	3	3	4	4	3	3	4	****	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	
MEAN	2	2	2	2	2	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
PERCENTAGE OF DATA VALID - 73																										

PERCENTAGE OF DATA VALID - 73

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

HOUR DAY	POLLUTANT - TOTAL OXIDANTS												UNITS - PARTS PER HUNDREDMILLION												MEAN
	STATION - VICTORIA ST SARNIA OAMST												NO 14049												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	2	2	2	1	1	1	1	2	***	3	3	3	3	2	2	4	3	2	2	2	2	2	2	2	2
2	1	1	1	1	1	1	1	1	***	2	2	3	3	3	3	3	3	2	1	1	2	1	2	2	2
3	2	2	2	1	1	1	1	2	***	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	2
4	3	3	3	4	3	3	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
5																									
6	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
7	1	1	1	1	1	1	1	1	1	***	1	2	2	2	2	3	3	3	2	2	2	2	3	2	***
8	1	1	1	1	1	1	1	2	***	2	3	2	2	2	2	2	3	4	4	4	3	3	3	3	2
9	3	3	2	2	3	2	3	2	***	3	***	3	2	2	2	3	4	4	3	3	4	4	3	3	3
10	3	2	2	2	2	2	1	1	***	1	1	1	2	1	1	2	2	2	1	1	1	1	1	1	2
11	1	1	1	2	2	3	2	3	2	***	4	4	4	4	4	4	3	2	2	2	2	3	3	3	3
12	3	2	2	2	1	1	1	2	2	***	2	2	3	3	2	2	2	2	1	2	2	2	2	2	2
13	2	2	3	3	2	2	2	2	1	***	***	3	3	3	3	3	2	2	2	2	2	2	2	2	2
14	2	2	2	3	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	2
15	1	1	0	1	1	1	1	1	1	2	2	2	2	3	3	3	3	2	1	1	1	1	1	1	2
16																									
17																									
18																									
19																									
20																									
21	***	***	***	***	***	***	***	***	***	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	***
22	2	2	3	3	3	3	3	3	2	***	3	3	4	4	4	4	3	2	2	2	2	2	2	2	3
23	2	2	2	2	1	1	1	1	1	***	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
24	2	2	2	2	1	1	1	2	2	***	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2
25	2	3	3	3	3	3	2	2	1	***	2	3	2	2	2	2	1	1	1	1	1	1	1	1	2
26	2	2	2	1	1	1	1	1	1	***	1	2	2	1	2	1	1	1	1	2	2	2	2	2	1
27	2	2	2	3	3	2	2	2	2	***	2	2	1	1	1	1	1	2	1	2	2	2	2	2	2
28	1	1	1	2	2	2	2	2	2	***	***	2	2	2	2	1	***	2	2	2	2	2	2	2	2
29	2	2	1	0	0	1	1	2	***	3	3	3	3	3	3	3	3	3	4	3	2	2	2	2	2
30	2	2	2	3	3	3	3	2	2	2	2	2	2	2	3	1	1	2	3	3	3	3	3	3	2
31	3	2	3	3	3	3	2	2	1	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 72

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - VICTORIA ST SARNIA OAMST

NO 14049

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	2	3	3
FEB	25	2	3	4
MAR	28	2	3	5
APR	26	3	4	11
MAY	24	4	7	13
JUN	30	6	9	19
JUL	30	5	8	18
AUG	30	5	9	20
SEP	30	3	5	12
OCT	20	4	6	11
NOV	24	3	4	8
DEC	25	2	3	4
YEAR	322	3	9	20

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL OXIDANTS

UNIT - PARTS PER HUNDREDMILLION

STATION - VICTORIA ST SARNIA OAMST

NO 14049

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 14	15 & OVER	TOTAL
JAN	197	455	0	0	0	0	652
FEB	281	243	23	0	0	0	547
MAR	89	426	57	0	0	0	572
APR	46	383	127	7	1	0	564
MAY	27	203	233	44	6	0	513
JUN	10	129	295	129	54	11	628
JUL	20	235	288	89	22	5	659
AUG	31	239	254	93	31	11	659
SEP	107	354	137	37	6	0	641
OCT	11	207	181	39	1	0	439
NOV	29	429	69	1	0	0	528
DEC	132	385	19	0	0	0	536
YEAR	980	3688	1683	439	121	27	6938

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										ARITH MEAN
	MIN	10	30	50	70	90	95	98	99	MAX	
79	0	0.7	1.5	2.2	3.2	5.6	7.6	10.2	11.9	20	3.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS												UNITS - PARTS PER HUNDREDMILLION														
STATION - KING/RECTORY LONDON FAIR												MONTH JAN 71														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	2	****	2	2	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	2	
2	2	2	****	2	2	1	2	1	1	1	2	2	2	2	3	3	2	2	3	4	3	2	2	2	2	
3	2	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	1	1	****	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	2	2	2	1	2	
5	1	1	****	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
6	2	2	****	1	1	1	1	1	1	1	2	2	2	2	****	1	4	4	3	2	2	2	2	1	2	
7	1	1	1	1	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	
8	1	2	2	2	2	2	2	2	2	1	****	1	2	2	1	1	1	1	1	2	3	3	****	****	2	
9																										
10																										
11																										
12																										
13																										
14																										
15	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	2	1	1	0	0	0	0	0	0	0	****
16	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	0	0	0	1	
17	****	1	1	1	1	1	0	0	0	1	2	2	2	2	2	2	2	1	2	2	2	2	2	2	1	
18	****	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	1	
19	****	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	
20	****	1	1	1	1	1	1	1	1	1	2	2	1	1	1	2	3	****	****	****	****	****	****	****	1	
21	****	2	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	3	2	
22	****	2	2	1	1	1	2	3	4	3	3	3	3	3	3	3	4	3	3	3	3	2	2	2	3	
23	****	2	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	4	3	3	2	2	2	2	2	
24	****	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	2	3	3	3	4	3	2	2	2	
25	****	2	2	2	1	1	2	2	3	3	2	2	2	2	3	3	3	3	2	2	1	1	2	2	2	
26	****	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
27	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	1	
28	****	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	
29	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	1	1	1	1	2	2	2	
30	****	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	0	1	
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	
MEAN	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	2	
PERCENTAGE OF DATA VALID - 74																										

PERCENTAGE OF DATA VALID - 74

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS												UNITS - PARTS PER HUNDREDMILLION													
STATION - KING/RECTORY LONDON FAIR												MONTH FEB 71													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1
2	****	1	1	1	1	1	1	1	1	1	1	2	2	2	1	3	3	3	3	3	2	2	2	2	2
3	****	3	2	2	2	2	2	3	3	2	1	1	1	****	****	****	****	****	****	****	****	****	****	****	****
4														DATA MISSING	-										
5														DATA MISSING	-										
6														DATA MISSING	-										
7														DATA MISSING	-										
8														DATA MISSING	-										
9														DATA MISSING	-										
10														DATA MISSING	-										
11	****	2	1	1	1	1	1	1	1	2	2	2	****	****	3	2	****	****	****	****	****	****	****	****	****
12														DATA MISSING	-										
13														DATA MISSING	-										
14														DATA MISSING	-										
15														DATA MISSING	-										
16														DATA MISSING	-										
17														DATA MISSING	-										
18														DATA MISSING	-										
19	****	****	****	****	****	****	****	****	****	****	****	****	****	****	3	4	4	3	3	4	5	4	2	****	****
20															DATA MISSING	-									
21														DATA MISSING	-										
22														DATA MISSING	-										
23														DATA MISSING	-										
24														DATA MISSING	-										
25														DATA MISSING	-										
26														DATA MISSING	-										
27														DATA MISSING	-										
28														DATA MISSING	-										
MEAN	****	2	1	1	1	1	1	2	2	2	1	2	1	2	2	3	3	3	3	3	3	2	2	2	2

PERCENTAGE OF DATA VALID - 11

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	3	3	3	3	3	****
9	3	3	3	3	3	3	3	4	3	****	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
10	4	3	3	3	3	3	3	3	3	****	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
11	4	3	3	4	3	3	4	4	****	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
12	5	5	6	6	5	4	4	5	5	****	3	4	5	5	5	5	5	5	5	5	5	5	5	5	5
13	3	3	3	3	3	3	3	3	3	****	3	4	4	4	5	5	5	5	5	5	5	5	5	5	5
14	3	3	3	3	3	3	3	3	3	****	3	4	4	5	5	5	6	6	6	5	5	4	4	4	4
15	4	4	4	4	4	4	4	4	4	****	4	4	3	3	3	3	3	3	3	4	3	3	3	3	4
16	3	3	3	3	3	3	3	3	3	****	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3
17	3	3	3	3	3	3	3	3	3	****	****	****	****	3	2	2	1	1	1	1	1	1	1	3	4
18													- DATA MISSING -												
19	****	****	****	****	****	****	****	****	****	****	****	****	****	****	2	2	2	2	1	2	2	1	1	1	****
20	1	1	1	1	1	1	1	1	****	****	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
21	3	3	3	2	2	2	2	2	****	****	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3
22	2	3	2	3	3	2	2	2	****	****	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3
23	3	3	3	3	3	3	3	3	4	3	****	3	3	3	3	3	3	3	3	3	3	3	3	3	3
24	2	2	2	2	2	2	2	2	2	****	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
25	2	2	2	2	2	2	3	3	2	****	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2
26	1	1	1	1	1	1	1	2	2	2	****	3	3	3	3	3	3	3	3	3	3	3	3	3	3
27	3	2	2	2	2	2	2	2	2	2	****	3	3	3	3	4	4	3	3	3	3	3	3	3	3
28	2	2	2	2	2	2	2	2	2	2	****	3	3	3	2	3	3	3	3	3	3	3	3	3	2
29	3	2	2	2	2	2	2	2	3	3	****	3	3	3	3	3	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	3	3	3	****	3	3	3	3	3	3	2	2	2	3	5	7	3	3
31	6	5	4	3	3	2	2	2	2	2	****	2	2	3	3	3	3	3	3	3	3	2	3	3	3
MEAN	3	3	3	3	3	2	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3

PERCENTAGE OF DATA VALID - 66

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH APR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	4	4	4	4	4	****	****	3	3	3	3	3	2	2	3	3	2	2	3
2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	****	2	2	2	2	2	3	3	2	2	3
3	2	2	2	1	2	2	1	1	2	2	2	2	2	2	****	3	3	2	2	2	3	3	2	2	2
4	1	1	1	1	1	2	2	2	2	2	1	2	2	2	****	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	3	3	2	2	2	3	3	2	2	2	****	2	2	2	2	3	2	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	****	1	1	2	2	3	3	3	3	2	2
7	2	2	2	2	2	2	2	2	2	2	2	2	2	3	****	2	3	3	3	3	3	3	3	3	2
8	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	****	3	3	3	3	3	3	3	3	3
9	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	****	4	4	4	4	4	4	4	3
10	3	2	2	2	2	2	1	3	1	1	1	2	2	3	3	****	3	3	3	3	3	3	3	3	2
11	3	3	3	2	3	4	5	4	3	2	3	****	3	3	3	4	4	3	3	3	3	4	3	2	3
12	2	3	3	3	2	2	3	4	3	3	****	2	3	3	3	4	4	4	3	3	3	3	3	3	3
13	3	2	2	2	2	2	2	2	2	2	****	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	1	2	2	2	2	2	2	2	2	2	****	0	****	****	****	****	****	****	****	****	****	****	****	****	****
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
20	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	3	3	3	4	3	3	3	3	****
21	3	3	2	1	2	1	2	2	2	2	2	****	2	2	2	2	3	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	2	2	2	2	****	2	2	3	3	3	3	2	2	2	2	2	2	2
23	2	2	2	2	1	1	2	2	2	2	1	****	2	2	3	3	3	3	2	2	2	2	2	2	2
24	2	2	2	2	2	2	2	2	2	2	2	****	2	2	2	2	2	2	2	2	2	2	2	2	2
25	2	2	2	1	1	1	1	1	1	1	1	****	2	2	2	2	2	2	2	2	2	2	2	2	2
26	2	1	2	2	2	2	2	2	2	2	2	****	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	2	3	2	2	2	1	1	****	1	1	1	2	2	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	2	2	1	2	2	****	****	****	****	3	2	2	3	2	2	2	2	2	2
29	2	2	2	1	1	2	2	2	2	2	2	****	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	2	2	2	****	2	2	2	2	2	2	2	2	3	5	6	2	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2	2	2	2	3	3	3	2

PERCENTAGE OF DATA VALID - 75

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS													UNITS - PARTS PER HUNDREDMILLION												
STATION - KING/RECTORY LONDON FAIR													NO 15001												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	7	6	6	5	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2																									
3																									
4																									
5																									
6	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	2
7	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2
8																									
9																									
10																									
11	6	6	5	5	5	5	6	6	4	4	4	4	4	3	4	4	5	5	4	3	3	2	3	2	4
12	2	2	2	2	1	2	1	2	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	0	0	1	1	1	1	2	2	2	2	2	2	2	2	3	2	3	3	2	2	2	1	2
14	1	1	0	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	4	4	4	2
15	3	2	2	2	2	2	1	1	2	2	3	3	3	4	4	5	6	6	4	4	4	4	4	3	3
16	3	3	3	3	2	2	2	2	2	2	2	2	2	3	3	4	3	3	3	2	2	2	2	2	2
17	2	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	4	3	3	2	2	2	2
18	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	5	5	5	5	5	5	5	6	5	4
19	4	3	3	3	3	2	3	2	3	3	3	3	3	4	4	4	4	4	5	4	3	3	3	4	4
20	3	3	2	2	2	2	1	1	1	3	2	2	2	3	3	2	3	3	3	3	3	3	3	3	2
21	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3
22	2	2	2	2	1	1	2	2	3	3	2	3	3	2	3	3	3	3	3	3	2	3	3	3	3
23																									
24																									
25																									
26																									
27																									
28																									
29	7	6	3	3	2	2	2	2	2	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2	3
30	3	3	3	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
31	1	1	1	0	0	0	1	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
PERCENTAGE OF DATA VALID -				54																					

PERCENTAGE OF DATA VALID - 54

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS													UNITS - PARTS PER HUNDREDMILLION												
STATION - KING/RECTORY LONDON FAIR													NO 15001												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	1	1	1	1	1	****	****	****	3	3	3	3	3	2	3	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	****	****	****	3	3	3	3	3	2	2	2	2	2	2
3	2	1	1	1	1	1	2	2	2	2	2	****	****	****	2	2	3	3	3	3	4	6	4	3	2
4	3	3	2	2	2	2	3	3	3	3	3	****	****	****	3	3	3	3	3	3	4	3	3	2	3
5	2	2	1	1	1	1	1	1	1	1	1	****	****	****	1	2	2	2	2	2	1	1	2	1	1
6	1	1	1	1	1	1	1	1	1	1	1	****	****	****	2	1	1	1	1	2	2	2	2	1	1
7	1	0	0	0	0	0	0	0	0	0	0	****	****	****	2	2	2	2	2	2	2	2	2	2	1
8	1	1	0	0	0	0	0	0	0	0	0	****	****	****	2	2	2	2	2	2	2	2	2	2	1
9	2	2	1	1	1	2	2	2	2	2	2	****	****	****	2	2	2	2	2	2	2	2	3	3	2
10	3	2	2	2	2	2	2	2	2	2	2	****	****	****	2	2	3	3	3	2	2	2	2	2	2
11	2	2	2	1	1	2	2	2	2	2	2	****	****	****	3	4	4	4	4	5	5	5	4	3	3
12	3	3	3	3	2	2	2	2	2	2	2	****	****	****	3	3	3	3	3	3	3	3	4	2	3
13	2	2	1	1	1	1	1	1	1	1	1	****	****	****	2	2	2	2	2	2	2	1	1	1	1
14	1	1	1	1	1	1	1	2	1	1	1	****	****	****	2	2	2	2	2	2	2	2	2	1	2
15	1	1	1	1	1	1	1	1	2	2	2	****	****	****	****	4	4	5	8	6	4	4	4	4	3
16	4	3	3	3	3	3	3	3	4	4	4	****	****	****	4	5	5	5	5	4	4	4	5	4	4
17	4	4	4	4	4	4	5	4	4	4	4	****	****	****	5	5	5	5	5	4	4	4	7	4	4
18	4	4	4	4	4	4	5	4	4	5	5	****	****	****	5	6	6	6	6	5	5	5	5	5	5
19	5	5	5	4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
20	- DATA MISSING -																								
21	- DATA MISSING -																								
22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	3	****	3	2	2	3	3	3	3	****
23	3	2	2	2	2	2	3	4	3	3	4	****	****	****	3	3	4	4	5	5	4	4	4	4	3
24	4	4	3	3	3	3	3	3	3	3	3	****	****	****	3	3	3	3	3	4	4	4	4	3	3
25	3	3	3	3	3	4	3	3	3	3	3	****	****	****	3	3	4	4	3	3	3	2	2	2	3
26	2	2	2	2	2	2	2	2	2	2	2	****	****	****	2	3	3	3	3	4	3	4	4	3	3
27	3	3	3	2	2	2	2	2	3	3	4	****	****	****	4	5	5	5	5	5	5	5	6	6	4
28	5	5	4	3	2	2	3	4	4	4	4	****	****	****	3	3	4	5	5	5	5	5	6	4	4
29	3	3	3	3	2	2	3	3	3	3	3	****	****	****	4	4	3	4	4	3	3	4	3	3	3
30	3	4	3	3	3	3	3	2	3	3	3	****	****	****	4	****	****	****	4	4	4	4	4	3	3
MEAN	3	2	2	2	2	2	2	2	2	2	2	****	3	3	3	3	3	3	4	3	3	3	3	3	3
PERCENTAGE OF DATA VALID - 83																									

PERCENTAGE OF DATA VALID - 83

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	3	3	3	3	2	2
4	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3
5	4	4	3	3	3	2	2	2	2	3	3	3	3	3	4	4	4	3	3	3	3	2	2	2	3
6	2	1	2	2	2	3	2	2	2	2	2	2	3	3	3	3	4	3	4	3	3	3	3	3	3
7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	5	4	3	3	3	2	3
8	3	3	3	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	4	4	3	2	2	2	3
9	2	2	2	2	2	2	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	2
10	4	3	4	3	3	3	2	2	2	2	3	3	4	4	4	3	3	2	2	2	2	2	2	2	3
11																									
12																									
13																									
14																									
15	6	5	5	3	4	5	5	5	3	3	3	3	2	2	2	3	2	2	3	2	3	3	3	2	3
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	1	1	3	2
17	3	1	1	1	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	4	3	2
18	3	3	4	3	3	3	4	3	1	1	1	1	1	1	1	1	1	1	2	3	3	3	4	4	2
19	2	1	1	1	1	1	2	3	2	2	2	2	2	2	2	1	2	1	1	1	2	2	2	2	2
20	2	2	2	2	2	2	3	3	2	2	2	2	1	1	1	1	1	1	1	2	3	3	4	7	2
21	7	5	6	7	5	5	7	7	3	3	3	3	2	2	1	2	2	2	2	2	2	2	2	3	4
22	3	2	2	2	1	2	2	2	2	2	2	2	5	5	5	5	5	5	5	4	4	4	4	4	3
23	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
24	5	5	4	4	4	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3
25	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
26	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
27	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
28	2	2	2	2	3	3	3	4	4	4	4	4	5	5	5	5	5	4	4	4	4	4	4	3	4
29	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
30	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3
31	2	2	2	2	2	3	3	3	3	3	3	3	3	4	5	5	4	4	4	5	4	4	3	3	3
MEAN	3	3	3	2	2	3	3	3	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3

PERCENTAGE OF DATA VALID - 81

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	2	3	3	3	3	3	3	3	3	4	4	4	4	5	5	4	4	3	3	3	3	3
2	3	3	3	3	3	2	2	3	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	3
3	4	4	3	3	3	3	3	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2
4	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	4	3	1	1	0	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	3	3	2	1	1	2	2	1	2	3	3	3	3	3	4	4	4	6	5	3	3	3	4	4	3
9	3	3	2	2	2	2	1	2	3	3	3	3	3	3	3	5	5	7	4	4	4	4	4	3	3
10	3	2	2	1	0	0	0	1	1	2	2	2	3	3	3	3	3	2	2	2	1	1	1	2	2
11	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	1	0	0	0	0	1
12	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
13	1	1	1	1	0	0	0	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
14																									
15																									
16																									
17																									
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26																									
27																									
28																									
29																									
30																									
31																									
MEAN	3	2	2	2	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2

PERCENTAGE OF DATA VALID - 38

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - KING/RECTORY LONDON FAIR

NO 15001

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	25	2	3	4
FEB	5	2	2	5
MAR	23	3	5	7
APR	25	2	3	6
MAY	21	3	4	8
JUN	28	3	5	8
JUL	28	3	4	7
AUG	13	2	3	7
SEP	21	3	8	20
OCT	23	2	3	11
NOV	28	2	4	7
DEC	18	2	4	10
YEAR	258	2	8	20

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL OXIDANTS

UNIT - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 14	15 & OVER	TOTAL
JAN	310	239	8	0	0	0	557
FEB	37	38	5	0	0	0	80
MAR	27	346	121	1	0	0	495
APR	64	454	26	0	0	0	544
MAY	83	244	76	6	0	0	409
JUN	110	331	157	2	0	0	600
JUL	62	419	123	6	0	0	610
AUG	56	188	41	2	0	0	287
SEP	117	198	36	19	9	7	386
OCT	217	228	29	5	1	0	480
NOV	248	324	50	1	0	0	623
DEC	161	201	26	6	0	0	394
YEAR	1492	3210	698	48	10	7	5465

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
62	0	0.4	1.1	1.7	2.3	3.5	4.2	5.2	6.4	20		2.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - BARTON/WENTWORTH HAM. OAMST NO 29025

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
9	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	3	4	3	1
10	4	4	4	4	2	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0	1	0	1
11	2	0	0	0	2	2	2	3	5	3	4	4	4	5	6	4	5	8	5	4	3	3	4	3	3
12	4	4	4	4	4	5	3	4	2	2	2	3	2	2	4	4	4	3	2	3	2	3	4	3	3
13	2	2	2	2	2	2	0	0	0	2	3	4	4	4	5	5	4	4	4	4	4	3	3	3	3
14	4	3	3	3	3	3	2	5	4	6	4	4	0	1	2	3	5	4	4	3	3	4	3	4	3
15	4	4	4	6	6	7	5	6	4	4	4	4	5	5	4	5	4	2	2	1	1	1	2	3	4
16	2	1	2	1	1	1	0	0	0	0	1	3	3	5	5	4	3	1	2	3	3	3	3	3	2
17	3	3	3	2	2	****	0	2	2	3	3	3	3	4	4	4	4	2	2	3	3	3	2	4	3
18	5	5	5	5	4	3	2	3	3	3	4	3	4	3	4	4	4	3	2	2	2	2	2	2	3
19	1	1	1	2	2	1	1	2	2	2	2	1	2	3	2	2	0	0	0	1	2	2	1	2	1
20	1	2	2	2	1	1	1	2	2	2	3	3	****	****	****	4	4	4	3	3	4	3	4	3	3
21	3	1	1	1	2	2	5	5	4	4	5	7	8	6	5	5	5	6	6	5	5	6	6	6	5
22	6	6	5	4	4	4	4	4	4	3	5	6	7	7	7	7	7	6	5	5	4	4	4	5	5
23	8	6	5	4	5	5	5	5	5	5	5	5	6	5	5	5	5	4	4	3	4	4	3	3	5
24	3	3	3	4	2	2	3	3	5	4	4	5	3	3	3	3	3	3	3	3	4	4	3	3	3
25	2	3	3	3	2	2	5	5	5	2	3	3	4	5	3	3	3	7	6	6	3	7	1	5	5
26	9	5	5	5	5	4	4	4	4	6	7	7	6	6	6	5	5	5	5	5	4	4	4	4	5
27	4	5	5	5	5	4	3	3	3	4	4	4	5	4	3	3	3	3	2	3	3	3	3	3	4
28	3	3	3	2	3	3	1	2	2	3	3	3	2	4	4	4	4	4	4	4	4	4	3	3	3
29	3	2	3	3	2	1	****	****	****	2	2	2	3	4	4	4	3	4	4	3	3	3	3	4	3
30	4	4	4	4	4	4	4	4	4	5	5	5	6	6	5	5	5	5	4	4	4	4	4	4	4
31	3	3	2	2	1	1	1	1	1	1	2	3	3	3	3	3	2	1	1	2	2	1	1	1	2
MEAN	4	3	3	3	3	3	2	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3

PERCENTAGE OF DATA VALID - 74

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - BARTON/WENTWORTH HAM. OAMST NO 29025

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	1	1	1	1	1	1	2	****	3	****	****	****	****	****	****	****	****	****	****	****
2	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
3	5	4	5	4	4	5	5	6	6	6	8	8	8	9	10	10	8	6	6	8	7	7	8	8	7
4	8	6	7	7	7	6	7	8	4	5	5	4	5	5	5	5	5	5	3	5	5	4	5	5	5
5	4	4	4	4	3	3	9	5	5	5	6	5	5	5	4	5	5	6	6	6	6	6	6	7	5
6	7	7	6	5	6	5	4	5	6	6	6	6	6	6	6	6	6	5	5	5	5	4	4	4	5
7	4	4	4	4	4	3	3	4	4	3	3	4	4	4	5	4	4	4	5	5	4	4	5	4	4
8	4	4	5	6	6	4	4	6	5	5	5	5	5	5	6	6	6	7	7	7	7	7	7	6	6
9	5	5	6	5	5	4	2	1	3	3	4	5	5	4	4	4	4	3	2	3	3	2	2	2	4
10	2	2	2	2	1	2	2	2	2	3	3	3	4	3	4	4	3	3	2	2	2	3	4	3	3
11	3	2	3	3	3	3	3	3	4	6	7	8	8	5	7	8	8	7	8	8	8	9	10	9	6
12	9	9	9	9	8	7	6	7	6	5	5	6	6	7	7	6	7	7	5	4	4	5	5	5	6
13	5	5	5	5	5	4	3	3	4	3	4	4	4	4	4	4	4	5	5	5	5	4	4	4	4
14	3	4	2	2	2	2	1	1	2	3	4	5	5	5	5	5	4	4	5	4	3	2	2	2	3
15	2	3	3	3	3	2	2	3	3	3	4	4	5	6	6	5	5	5	5	5	3	2	3	4	4
16	3	3	3	4	6	3	1	1	0	4	4	4	5	4	6	7	6	6	5	4	4	3	4	4	4
17	5	4	4	3	3	3	1	5	5	5	6	6	6	6	5	6	7	6	7	6	6	5	5	5	5
18	4	4	4	4	4	3	4	6	5	5	5	6	6	7	8	7	6	5	4	4	5	3	3	3	5
19	2	2	2	2	3	3	2	3	3	4	5	4	3	3	3	3	3	3	3	4	4	3	4	4	3
20	4	4	4	4	4	3	3	4	4	3	3	3	5	5	4	4	3	3	2	2	3	3	4	3	3
21	4	5	5	6	6	4	3	4	5	5	5	5	4	5	4	4	4	4	4	3	3	4	3	3	4
22	2	2	2	1	1	2	2	4	4	4	4	****	4	3	4	4	4	4	4	6	6	5	5	4	3
23	4	4	4	3	3	2	2	2	3	3	3	4	5	5	6	6	6	6	5	4	4	4	4	4	4
24	7	7	7	7	7	6	4	5	4	4	4	5	5	5	6	6	6	5	5	4	4	4	4	4	4
25	4	4	4	3	2	2	3	3	3	2	3	3	4	5	6	6	6	5	4	5	4	4	4	4	4
26	6	5	4	3	3	2	3	4	2	3	4	3	3	3	3	3	3	2	1	1	3	3	5	4	3
27	5	3	3	3	3	4	4	5	4	5	5	5	5	5	4	5	4	4	4	4	4	4	4	3	4
28	3	4	3	3	4	4	4	3	4	4	4	3	4	4	4	4	4	4	3	3	3	3	3	3	4
MEAN	4	4	4	4	4	3	3	4	4	4	4	4	5	5	5	5	5	5	4	4	4	4	4	4	4

PERCENTAGE OF DATA VALID - 96

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - BARTON/WENTWORTH HAM. OAMST NO 29025

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	24	3	5	11
FEB	28	4	7	10
MAR	31	4	6	9
APR	26	3	7	13
MAY	31	5	9	15
JUN	30	7	11	25
JUL	31	4	8	16
AUG	30	5	8	15
SEP	28	3	7	11
OCT	18	2	3	8
YEAR	277	4	11	25

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL OXIDANTS

UNIT - PARTS PER HUNDREDMILLION

STATION - BARTON/WENTWORTH HAM. OAMST NO 29025

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 14	15 & OVER	TOTAL
JAN	87	216	232	19	1	0	555
FEB	22	183	383	63	0	0	651
MAR	39	227	384	72	0	0	722
APR	116	260	146	46	4	0	572
MAY	29	251	282	95	30	1	688
JUN	18	62	282	238	76	11	687
JUL	74	222	265	110	23	3	697
AUG	58	220	213	117	24	2	634
SEP	124	282	156	36	3	0	601
OCT	134	165	51	6	0	0	356
YEAR	701	2088	2394	802	161	17	6163

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
84	0	0.9	2.1	3.3	4.6	7.0	8.5	11.0	12.4	25		4.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - 67 COLLEGE ST TORONTO OAMST NO 31001

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4	***	***	***	***	***	***	***	***	***	***	2	4	1	5	5	5	5	4	4	4	4	4	4	4	4
5	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	4	4	4	4	4	4	4	4
6	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4
7	4	4	4	4	4	***	***	***	***	***	***	2	2	3	3	3	2	2	2	2	2	2	2	2	3
8	***	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	3	3	2	2	2
9	***	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	3	3	3	3	2
10	***	4	4	4	4	4	4	4	4	4	4	***	***	5	4	4	4	4	4	4	4	4	4	4	4
11	***	4	4	4	4	4	5	5	6	6	7	4	***	2	2	2	1	1	1	1	1	1	1	1	3
12	1	1	1	1	0	0	0	0	1	1	0	0	1	1	0	***	***	***	***	***	***	***	***	***	***
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
20													- DATA MISSING -												
21	***	***	***	***	***	***	***	***	***	***	***	***	***	***	0	0	0	***	***	***	***	0	0	***	***
22	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	1	1	2	2	2	2	3	2	2	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	***	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	3	3	2	2	2	3	2	3	2	1
27	2	2	3	3	4	4	4	3	4	4	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
28													- DATA MISSING -												
29	***	***	***	***	***	***	***	***	***	1	1	1	0	0	1	1	0	0	1	1	1	1	1	1	***
30	1	1	1	1	1	1	1	1	1	2	2	3	2	2	2	2	2	1	1	1	1	1	2	2	1
31	2	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	1	1	1	1	2	2	1
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 49

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - 67 COLLEGE ST TORONTO OAMST NO 31001

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	****	****	****	****	****	****	****	****	****	0	0	0	0	1	1	****	****	****	****	****	****	****	****	****	****	
2	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	****	****	****	****	****	****	****	****	****	
3	****	****	****	****	****	****	****	****	****	****	****	****	****	0	****	0	****	****	****	****	****	****	****	****	****	
4	****	****	****	****	****	****	****	****	****	0	0	0	0	****	****	0	1	1	1	1	1	1	1	1	****	
5	1	2	2	2	2	2	2	2	2	3	1	0	1	****	0	1	1	0	0	0	****	****	****	****	1	
6	****	0	2	3	3	2	2	1	1	1	1	2	2	1	3	3	3	2	2	2	2	2	2	2	2	
7	****	****	****	****	****	0	****	0	0	1	0	2	4	1	1	3	4	4	3	3	3	3	3	3	2	
8	1	1	0	0	1	1	1	0	1	2	3	2	****	****	****	****	****	****	****	****	****	****	****	****	****	
9	1	1	1	2	3	4	3	2	1	2	3	2	3	4	4	3	3	3	2	1	1	1	1	0	2	
10	2	0	0	****	****	****	****	****	****	****	****	1	2	1	3	3	3	2	2	1	2	0	****	****	****	
11	2	0	****	****	****	0	0	****	0	0	0	1	****	****	****	****	****	****	****	****	****	****	****	****	****	
12												- DATA MISSING -														
13												- DATA MISSING -														
14												- DATA MISSING -														
15												- DATA MISSING -														
16												- DATA MISSING -														
17												- DATA MISSING -														
18	****	****	****	****	****	****	****	****	****	****	****	****	2	3	3	3	3	2	2	2	2	3	3	3	****	
19	3	3	3	3	3	3	2	2	2	2	2	3	4	6	5	4	3	1	2	1	1	1	1	1	3	
20	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	
21	1	1	1	1	1	2	2	2	2	2	2	2	2	****	****	****	****	****	****	****	****	****	****	****	****	
22												- DATA MISSING -														
23												- DATA MISSING -														
24	****	****	****	****	****	****	****	****	****	****	1	1	1	2	2	2	2	1	1	1	1	1	1	1	0	****
25	0	0	1	0	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	2	1	1	1	
26	1	1	3	3	1	1	1	1	2	2	2	2	****	****	****	2	1	1	1	1	1	1	1	1	1	
27	****	1	1	1	1	0	1	1	1	0	0	0	1	1	1	1	0	1	1	1	0	0	1	0	1	
28	****	1	0	0	0	0	0	0	1	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	
MEAN	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	

PERCENTAGE OF DATA VALID - 47

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

HOUR DAY	STATION - 67 COLLEGE ST TORONTO OAMST								MONTH MAR 71																MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	....	1	1	1	1	1	1	1	1	1	2	1	1	0	0	1	1	1	1	0	1	1	1	0	1
2	....	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	1	1	1	1	1	1	0	0
3	....	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	0	1	1	0
4	....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
5	....	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	1
7	2	....	2	2	2	2	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	....	1	1	1	1	1	1	2	2	2	2	2	2	2	2	....	1	1	1	1	1	1	1	1
9	1	....	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	0	0	0	0	1
10	0	....	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	0
11	1	....	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	0	1
12	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13																									
14																									
15																									
16	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1	1	1	1	1	1	0	0	....
17	....	1	0	0	1	1	1	0	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1
18	....	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1
19	....	1	0	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
20	....	1	1	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	2	2	2	1
21	....	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
22	....	1	1	1	1	1	1	1	1	2	3	....	1	1	1	1	1	1	1	0	0	0	0	1	1
23	....	0	0	0	0	0	0	0	0	1	1	1	2	2	1	2	1	1	0	1	1	1	1	1	1
24	....	1	1	1	1	1	1	0	1	1	1	2	1	1	1	2	1	1	1	1	1	0	0	1	1
25	....	0	0	1	0	0	0	0	1	1	1	....	....	....	....	2	2	2	1	1	0	0	0	1	1
26	....	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1
27	....	1	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
28	....	1	1	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	1	1	1	1	1	1	2
29	....	1	1	1	1	0	1	1	1	1	2	....	....	....	1	1	1	1	1	2	1	2	1	1	1
30	....	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1
31	....	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	1	1	2	1	1	1	1
MEAN	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 83

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

HOUR DAY	STATION - 67 COLLEGE ST TORONTO OAMST								MONTH APR 71																MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	1	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	....	....	....	....	1	1	1	1	1	1	1	1	1	1
5	1	0	0	0	0	0	0	1	1	1	....	....	....	....	1	1	1	1	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
7	1	1	1	1	1	1	1	1	1	1	....	....	....	....	1	1	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	0	1	0	0	0	....	....	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	1	1	1	1	1	1
12	1	1	1	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1
13	1	1	1	1	1	1	1	1	1	1	2	....	....	....	0	0	0	0	0	0	0	0	0	1
14	1	0	1	1	1	0	0	1	1	1	2	2	1	1	1	1	1	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	1	1	....	....	....	....	1	1	1	1	0	0	0	0	0	0
16	1	1	1	1	1	1	1	1	1	1	....	....	....	....	1	1	1	1	1	0	0	0	0	1
17	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
18	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
19	0	0	0	0	0	0	0	1	1	1	1	1	1	....	1	1	0	1	1	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0
21	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	....	....	....	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	1	1	1	1	1	0	0	0	1
24	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	....	....	....	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	....	....	....	....	....	1	1	2	1	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1

PERCENTAGE OF DATA VALID - 93

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - 67 COLLEGE ST TORONTO OAMST NO 31001

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5	....	....	....	....	....	....	....	....	....	....	....	1	1	1	1	0	1	0	0	0	0	0	0	1	....
6	....	1	1	1	1	1	0	0	1	1	1	2	2	1	1	1	1	2	2	1	1	0	....	....	1
7	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	0	0	0	1
8	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	0	0	1	....
9	2	2	2	2	1	1	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	1
10	....	0	0	1	0	0	0	0	1	1	1	1	3	2	0	1	2	1	1	1	1	0	1	0	1
11	....	0	1	0	0	0	0	1	0	0	0	1	1	1	1	....	....	....	....	0	0	0	0	0	0
12	....	0	1	1	0	0	0	0	....	....	1	1	1	1	....	....	....	....	....	0	0	0	0	0	0
13	....	....	....	....	1	1	0	0	0	0	0	....	0	....	1	1	1	1	1	1	1	1	1	1	1
14	....	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	0	0	0	0	0
15	0	0	0	0	....	....	....	....	....	....	....	0	1	0	0	0	1	1	1	1	1	0	1	1	0
16	....	1	1	1	1	0	0	1	1	1	1	2	2	1	1	1	1	1	2	2	2	1	1	1	1
17	....	1	1	1	1	1	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	0	1
18	....	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	....	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
20	....	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1
21	....	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
22	....	1	2	2	2	2	1	1	1	1	1	1	0	1	1	1	2	1	1	1	1	1	2	2	1
23	....	2	1	1	1	1	0	0	1	1	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2
24	....	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	3	3	2	1	1	1	1	1	1
25	....	1	1	0	1	1	0	1	1	1	1	1	2	2	3	3	3	3	2	1	1	1	1	1	2
26	....	1	1	1	1	1	1	1	1	1	1	1	....	1	1	1	1	1	1	1	1	0	0	0	1
27	....	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
28	....	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	2	0
29	....	1	1	1	1	1	1	1	1	1	3	3	2	2	2	2	2	2	2	2	1	0	0	0	1
30	....	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
31	....	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	1	1	1	2	1
MEAN	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 76

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - 67 COLLEGE ST TORONTO OAMST NO 31001

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2	3	2	1	2	2	2
2	1	1	1	1	0	1	1	2	2	2	2	3	3	2	2	3	2	2	2	2	2	2	2	2
3	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	1	1	0	0	0	1
6	0	....	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1
8	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
9	1	1	1	1	1	0	1	1	2	2	3	4	3	3	2	2	2	2	2	2	2	2	2	2
10	2	2	1	1	1	1	1	1	1	1	1	....	0	1	1	1	3	2	1	1	1	1	1	1
11	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
12	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1
13	0	1	1	1	0	0	1	1	1	1	1	2	3	3	3	3	3	2	2	2	1	1	1	1
14	1	1	1	1	0	0	1	2	2	2	2	2	2	2	2	3	2	1	1	1	1	1	1	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
17	0	0	1	0	1	1	1	1	1	2	3	4	....	3	3	2	2	1	0	1	1	0	0	1
18	1	1	1	1	1	1	2	1	3	3	2	2	3	4	3	4	3	2	1	1	2	1	1	2
19	1	1	1	1	1	1	2	2	2	3	3	3	4	4	3	3	2	2	2	1	1	1	1	2
20	1	1	1	1	2	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1
21	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
23
24
25
26
27
28
29
30	1	1	1	1	1	1	1	1	2	2	3	2	2	1	1	1	1	1	0	0	0	0	0	....
31	0	0	0	0	0	1	1	1	1	2	1	1	0	1	1	0	0	0	0	0	0	1	1	1
MEAN	0	1	1	1	1	0	0	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 77

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - 67 COLLEGE ST TORONTO OAMST

NO 31001

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
2	****	0	0	0	0	0	1	2	1	1	1	2	2	2	3	2	2	2	1	1	1	1	1	1	1
3	****	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
4	****	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1
5	****	1	1	1	1	1	1	1	1	1	1	0	3	2	2	2	1	1	1	1	1	1	1	1	1
6	****	0	0	0	0	0	0	1	1	1	2	2	2	3	3	3	3	2	1	1	1	0	1	1	1
7	****	1	1	0	0	0	0	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
8																									
9																									
10																									
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27																									
28																									
29																									
30																									
MEAN	1	1	1	0	0	0	0	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 20

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - 67 COLLEGE ST TORONTO OAMST

NO 31001

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3	****	****	****	****	****	****	****	****	****	****	****	****	****	1	1	1	1	1	1	1	1	1	1	1	****
4	****	1	1	0	0	0	1	0	0	0	1	1	2	2	2	1	1	0	0	0	0	0	0	0	1
5	****	0	0	0	0	0	0	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1
6	****	0	1	1	0	1	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
7	****	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	1	0	0	0
8	****	0	0	0	0	0	1	1	1	****	****	****	1	1	1	1	0	0	0	0	0	1	0	0	0
9	****	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
11	****	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
12	****	0	0	0	0	0	0	1	1	1	1	0	1	1	1	0	0	0	0	0	0	1	1	0	0
13	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	1	0	1	1	1	1	1	1
14	****	****	****	****	****	****	****	****	****	****	****	****	1	1	1	1	1	1	1	1	1	1	1	1	****
15	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	1	1	1	2	2	2	1	1
16	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	****	1	0	1	1	1	1	1	1	1	1	1	****	****	1	0	1	0	0	0	0	0	1	1	1
19	****	****	****	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	****	0	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	1	2	1	1	1	1	1	2
21	****	1	1	1	1	1	2	1	2	2	1	0	0	0	0	****	****	0	0	0	0	0	0	0	1
22	****	1	0	0	0	0	0	1	1	1	1	****	****	1	1	1	1	1	1	1	1	1	1	1	1
23	****	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
24	****	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
25	****	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	****	0	0	0	0	0	0	1	1	1	1	0	0	1	0	1	1	1	0	0	0	1	1	1	0
27	****	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1
28	****	0	1	1	1	0	1	1	1	1	1	1	2	2	2	2	1	1	2	1	2	2	2	1	1
29	****	0	0	0	0	0	1	1	1	2	1	1	1	2	1	1	1	1	1	1	0	0	0	0	1
30	****	0	1	0	0	0	0	1	2	2	2	2	2	2	3	3	2	1	1	1	1	1	1	1	1
31	****	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	1

PERCENTAGE OF DATA VALID - 86

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - 67 COLLEGE ST TORONTO OAMST NO 31001

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1
2	0	1	1	0	0	0	0	0	0	0	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0
3																									
4																									
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27																									
28																									
29																									
30																									
MEAN	0	1	1	0	0	1	1	1	1	1	1	1	2	2	1	1	1	1	1	2	1	1	1	1	1

PERCENTAGE OF DATA VALID - 5

UNITS - PARTS PER HUNDREDMILLION

MONTH MAR 71

PERCENTAGE OF DATA VALID - 15

UNITS - PARTS PER HUNDREDMILLION

MONTH APR 71

PERCENTAGE OF DATA VALID - 18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA MISSING -													
2												- DATA MISSING -													
3												- DATA MISSING -													
4												- DATA MISSING -													
5												- DATA MISSING -													
6												- DATA MISSING -													
7												- DATA MISSING -													
8												- DATA MISSING -													
9	****	****	****	****	****	****	****	****	****	****	****	****	3	3	4	4	4	3	3	2	1	2	1	1	****
10	****	1	1	0	1	1	1	2	2	3	3	4	7	8	8	7	8	7	3	2	1	1	1	1	3
11	****	1	0	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	1	1	0	0	2
12	****	0	0	0	0	0	1	1	2	2	****	****	****	****	3	3	3	3	2	1	1	1	1	1	1
13												- DATA MISSING -													
14												- DATA MISSING -													
15												- DATA MISSING -													
16												- DATA MISSING -													
17												- DATA MISSING -													
18												- DATA MISSING -													
19												- DATA MISSING -													
20												- DATA MISSING -													
21												- DATA MISSING -													
22												- DATA MISSING -													
23	****	****	****	****	****	****	****	****	****	****	6	7	8	7	7	7	6	6	5	5	4	4	4	3	****
24												- DATA MISSING -													
25												- DATA MISSING -													
26	****	****	****	****	****	****	****	****	****	****	****	****	****	3	3	3	3	2	1	0	****	****	****	****	****
27												- DATA MISSING -													
28												- DATA MISSING -													
29												- DATA MISSING -													
30												- DATA MISSING -													
31												- DATA MISSING -													
MEAN	****	1	0	0	1	1	1	2	2	2	4	5	5	5	5	5	5	4	3	2	2	2	1	1	3

PERCENTAGE OF DATA VALID - 13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA MISSING -													
2												- DATA MISSING -													
3	****	****	****	****	****	****	****	****	****	****	****	3	3	3	3	2	****	****	****	1	1	1	1	1	****
4	****	0	0	0	1	1	2	2	2	2	3	3	3	3	3	3	3	2	2	2	1	1	1	1	2
5	****	1	1	1	1	1	1	2	2	2	3	3	6	7	7	7	7	7	7	3	3	3	3	2	3
6	****	2	1	1	1	1	2	2	3	3	3	4	4	5	5	4	4	3	2	****	****	1	1	1	3
7	****	0	0	0	0	1	1	1	1	1	3	4	4	4	4	4	3	3	3	2	1	1	1	1	2
8	****	1	0	1	1	1	1	3	3	3	4	6	6	6	7	7	7	6	6	5	2	2	1	1	4
9	****	1	1	1	1	1	2	****	****	****	****	11	12	10	9	8	8	****	****	7	6	8	8	5	6
10	****	5	4	3	1	1	1	1	****	4	4	****	****	5	****	****	8	8	6	4	3	3	****	1	4
11	****	3	3	2	****	****	1	2	2	2	3	3	3	4	4	4	4	4	4	3	3	2	2	1	3
12	****	2	2	2	1	1	2	2	3	3	4	4	4	4	4	4	4	4	3	3	****	1	1	2	3
13	****	****	****	****	0	0	1	1	2	4	6	7	6	7	7	6	6	6	5	****	****	2	1	1	4
14	****	1	0	1	****	****	****	1	2	6	7	9	8	7	8	8	7	6	5	3	3	3	1	2	4
15	****	2	3	2	2	2	1	2	2	3	3	4	4	5	5	5	5	5	4	1	1	1	1	1	3
16	****	1	0	0	0	1	1	2	3	3	4	4	5	5	****	4	5	5	4	1	1	1	1	1	2
17	****	1	1	1	1	2	2	3	3	5	7	12	16	16	12	11	8	7	5	3	2	2	1	1	5
18	****	1	1	0	0	1	1	2	6	8	11	11	13	****	****	****	****	****	****	****	****	****	****	****	****
19	****	****	****	****	****	****	****	****	****	****	****	****	****	****	7	6	6	5	5	****	****	3	2	3	****
20	****	3	2	2	2	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
21												- DATA MISSING -													
22												- DATA MISSING -													
23												- DATA MISSING -													
24												- DATA MISSING -													
25												- DATA MISSING -													
26												- DATA MISSING -													
27	****	****	****	****	****	****	****	****	****	****	****	****	****	3	4	4	3	3	2	2	2	1	1	1	****
28	****	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	1	2	****	****	****	****	****	1
29												- DATA MISSING -													
30												- DATA MISSING -													
31												- DATA MISSING -													
MEAN	3	2	1	1	1	1	1	2	3	4	5	6	6	6	6	5	5	5	4	3	2	2	2	2	3

PERCENTAGE OF DATA VALID - 48

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA MISSING		
FEB		DATA MISSING		
MAR	6	4	4	7
APR	10	2	2	5
MAY	16	3	4	9
JUN	27	3	5	9
JUL	6	3	3	8
AUG	20	3	6	16
SEP		DATA MISSING		
YEAR	85	3	6	16

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL OXIDANTS

UNIT - PARTS PER HUNDREDMILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 14	15 & OVER	TOTAL
JAN		DATA MISSING					
FEB		DATA MISSING					
MAR	0	46	70	1	0	0	117
APR	50	76	7	0	0	0	133
MAY	33	201	96	7	0	0	337
JUN	161	188	140	38	0	0	527
JUL	35	39	12	11	0	0	97
AUG	118	118	79	33	8	2	358
SEP		DATA MISSING					
YEAR	397	668	404	90	8	2	1569

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
35	0	0.4	1.2	2.1	3.2	5.2	6.4	7.5	8.1	16		3.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS													UNITS - PARTS PER HUNDREDMILLION													
STATION - ELMCREST ROAD ETOBICOKE													NO 35003 MONTH JAN 71													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	1	
3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	1	
4	0	1	2	2	2	2	2	1	1	1	1	0	0	0	0	0	1	1	1	2	2	2	2	2	1	
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	1	1	0	0	0	0	0	1	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	0	0	1	1	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	0	
11	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	
12	2	2	2	1	0	0	1	1	1	1	1	1	3	4	4	1	4	4	4	4	5	5	5	3	3	
13	5	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
14	4	4	5	5	5	4	4	4	4	4	3	4	1	1	2	2	2	2	2	2	2	2	2	2	3	
15	3	3	3	3	3	3	3	3	3	3	3	2	3	2	3	1	3	2	3	3	3	3	3	4	3	
16	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
17	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	4	4	4	5	5	5	5	5	4	
18	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
20	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
21	DATA MISSING																									
22	2	2	2	2	2	2	3	3	3	3	4	4	2	3	3	3	2	3	3	3	3	3	3	3	3	
23	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
25	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
26	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	3	3	3	3	3	3	3	3	3	2	
27	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	
28	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	
29	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	
30	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	
31	2	2	2	2	3	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

PERCENTAGE OF DATA VALID - 87

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS													UNITS - PARTS PER HUNDREDMILLION																
	STATION - ELMCREST ROAD								ETOBICOKE				NO 35003				MONTH FEB 71												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN				
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2				
4	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12	3	3	3	3	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2				
13	2	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4				
14																													
15																													
16																													
17																													
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	1	1				
19	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
20																													
21																													
22																													
23	1	1	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
24	1	2	2	2	2	3	4	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5	4				
25																													
26	2	3	3	2	2	2	2	2	4	3	3	2	1	1	1	2	2	2	2	2	2	2	2	2	2				
27	2	2	2	2	3	4	5	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5	4				
28	5	5	5	5	5	5	5	5	4	5	5	5	5	6	6	5	6	6	6	6	6	6	6	6	5				
MEAN	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2				

PERCENTAGE OF DATA VALID - 38

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	6	6	6	6	6	6	6	5	5	5	5	3	***	4	4	4	2	4	4	4	4	4	4	4	5	
2	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	6	5	5	5	4	4	5	5	5	5	
3	5	5	5	5	5	5	5	5	4	4	4	4	4	4	5	5	5	4	4	4	4	4	5	5	5	
4	5	6	6	6	6	6	6	6	6	5	4	4	6	6	6	6	3	7	7	7	7	7	7	7	6	
5	7	7	7	7	7	7	6	5	5	4	***	***	***	3	4	4	4	4	4	4	4	4	4	4	5	
6	4	3	3	2	2	2	3	2	2	2	1	1	1	2	3	3	3	3	3	3	4	5	5	5	3	
7	5	5	5	5	4	4	4	4	4	5	5	4	4	4	5	5	6	6	6	6	6	6	6	6	5	
8	6	6	6	6	6	6	6	6	5	5	5	4	4	***	***	5	6	6	6	6	6	6	7	7	6	
9	7	7	7	6	6	6	6	5	5	5	5	6	6	6	***	***	***	***	***	***	***	***	***	***	***	
10												-	DATA MISSING	-												
11	***	***	***	***	***	***	***	***	***	***	***	***	***	***	4	4	***	4	4	4	4	4	4	4	3	***
12	3	3	3	4	4	5	4	4	4	4	4	3	2	1	1	2	3	4	4	4	4	4	4	3	3	
13	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	2	3	2	2	3	3	3	4	3	
14	4	4	3	3	3	4	3	3	3	3	3	2	1	1	0	0	1	2	3	3	3	3	3	3	3	
15	3	3	3	3	***	***	***	***	***	***	***	***	***	***	5	6	6	6	5	4	2	3	5	5	***	
16	5	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	2	2	2	2	1	3	3	3	3	
17	3	3	3	3	3	3	3	4	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
18												-	DATA MISSING	-												
19												-	DATA MISSING	-												
20												-	DATA MISSING	-												
21												-	DATA MISSING	-												
22												-	DATA MISSING	-												
23												-	DATA MISSING	-												
24												-	DATA MISSING	-												
25												-	DATA MISSING	-												
26												-	DATA MISSING	-												
27												-	DATA MISSING	-												
28												-	DATA MISSING	-												
29												-	DATA MISSING	-												
30												-	DATA MISSING	-												
31												-	DATA MISSING	-												
MEAN	5	5	5	4	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	4	

PERCENTAGE OF DATA VALID - 43

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1													- DATA MISSING -													
2													- DATA MISSING -													
3	***	***	***	***	***	***	***	***	***	***	***	***	***	***	3	3	2	2	2	2	2	1	1	1	***	
4	2	2	2	2	2	2	2	2	3	3	3	3	***	3	3	3	3	3	3	2	2	1	1	2	2	
5	1	2	2	1	1	1	1	1	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	
6	2	2	2	2	2	2	1	1	2	3	3	2	1	***	***	2	3	3	3	2	2	2	1	1	2	
7	2	2	1	1	1	1	1	1	1	1	1	2	2	1	2	1	2	3	4	1	1	1	1	1	1	
8	1	1	1	1	1	2	2	2	2	2	2	3	2	2	4	4	4	4	4	8	2	2	2	2	3	
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	5	5	5	5	5	5	5	***	3	
10	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	5	6	5	5	3	***	***	***	***	***	***
11													- DATA MISSING -													
12													- DATA MISSING -													
13													- DATA MISSING -													
14													- DATA MISSING -													
15													- DATA MISSING -													
16													- DATA MISSING -													
17													- DATA MISSING -													
18													- DATA MISSING -													
19													- DATA MISSING -													
20													- DATA MISSING -													
21													- DATA MISSING -													
22													- DATA MISSING -													
23													- DATA MISSING -													
24													- DATA MISSING -													
25													- DATA MISSING -													
26													- DATA MISSING -													
27													- DATA MISSING -													
28													- DATA MISSING -													
29													- DATA MISSING -													
30													- DATA MISSING -													
31													- DATA MISSING -													
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	1	2	3	3	3	3	3	2	3	2	2	1	2	

PERCENTAGE OF DATA VALID - 20

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS												UNITS - PARTS PER HUNDREDMILLION																					
	STATION - ELMCREST ROAD ETOBICOKE								NO 35003				MONTH JUN 71																				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN								
1													- DATA MISSING -																				
2													- DATA MISSING -																				
3													- DATA MISSING -																				
4													- DATA MISSING -																				
5													- DATA MISSING -																				
6													- DATA MISSING -																				
7													- DATA MISSING -																				
8													- DATA MISSING -																				
9													- DATA MISSING -																				
10	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	4	3	3	3	4	4	2	****								
11	5	4	3	4	4	4	4	5	5	6	6	6	6	4	4	5	****	2	2	2	2	2	2	3	4								
12	3	2	3	3	4	4	4	5	6	8	11	12	12	12	12	11	****	6	6	5	4	3	2	3	6								
13	3	3	2	4	5	8	6	6	8	9	7	5	6	8	8	8	****	****	****	****	****	****	****	****	6								
14													- DATA MISSING -																				
15													- DATA MISSING -																				
16													- DATA MISSING -																				
17													- DATA MISSING -																				
18													- DATA MISSING -																				
19													- DATA MISSING -																				
20													- DATA MISSING -																				
21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	****								
22	1	0	0	0	1	0	0	1	2	3	3	****	1	2	5	5	6	5	5	2	1	1	1	2	2								
23	2	2	1	1	1	1	1	1	3	5	7	12	****	****	****	15	15	****	11	11	11	8	3	6	6								
24	6	7	7	7	8	6	6	8	9	****	7	7	6	5	5	5	****	****	11	9	6	1	1	1	6								
25	1	1	2	2	1	1	1	1	2	1	1	1	1	3	3	2	****	2	3	5	4	3	3	2	2								
26	2	3	3	3	2	2	3	3	4	6	7	7	6	5	5	4	****	****	3	2	2	1	1	1	3								
27	1	1	0	0	0	0	1	4	7	10	15	14	13	13	13	13	****	****	12	9	7	6	8	6	7								
28	7	7	8	7	5	4	5	5	7	8	4	8	9	7	3	4	****	****	9	8	6	4	3	2	6								
29	2	1	1	1	1	4	6	6	7	7	8	9	9	9	9	9	****	****	9	9	8	7	7	6	6								
30	7	6	5	3	2	2	1	****	****	****	****	****	****	****	****	****	****	11	11	12	10	11	9	9	****								
MEAN	3	3	3	3	3	3	3	4	6	7	7	8	7	7	7	7	6	5	7	6	5	4	3	3	5								
PERCENTAGE OF DATA VALID -					36																												

PERCENTAGE OF DATA VALID - 36

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS												UNITS - PARTS PER HUNDREDMILLION													
STATION - ELMCREST ROAD ETOBICOKE												NO 35003													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	6	5	6	6	5	3	3	4	5	5	5	5	5	5	5	****	3	2	1	1	1	1	1	4
2	1	1	1	1	1	1	1	1	2	2	3	3	4	3	3	4	****	6	5	3	2	1	1	1	2
3	2	2	2	2	2	1	2	3	4	5	5	5	5	5	5	5	****	5	4	3	2	1	1	1	3
4	2	1	1	1	1	1	1	2	3	6	7	9	12	12	12	****	17	17	13	12	8	4	2	1	6
5	1	1	1	1	1	1	2	3	5	8	11	12	14	14	11	7	****	4	3	2	1	1	1	2	5
6	7	8	8	5	6	4	3	5	8	8	7	7	6	6	5	5	4	4	4	2	1	1	1	1	5
7	1	1	1	1	1	1	1	2	4	6	7	7	7	7	7	****	5	5	3	2	1	1	1	1	3
8	1	1	1	1	1	1	1	2	5	5	9	14	15	14	13	13	8	9	8	8	7	3	4	6	
9	5	4	3	3	2	1	2	3	3	4	4	4	4	4	6	7	6	5	4	2	1	1	0	0	3
10	0	0	1	1	1	1	1	3	4	4	5	5	6	14	12	11	12	12	8	3	2	2	1	1	5
11	1	1	1	1	1	2	2	3	3	3	3	4	4	5	5	4	4	4	3	3	1	1	1	1	3
12	1	1	1	1	0	0	1	1	3	5	2	2	1	2	5	5	4	4	3	3	1	1	3	3	2
13	3	1	1	1	1	1	1	2	1	3	4	6	7	8	8	8	6	5	5	4	4	2	2	2	4
14	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
15	1	1	1	1	1	1	2	2	3	5	5	6	6	5	5	5	8	8	5	4	2	2	2	2	3
16	3	3	3	3	3	2	2	3	4	5	8	8	8	****	****	****	5	8	11	9	2	4	7	6	5
17	2	1	2	3	3	2	2	2	2	2	2	****	****	****	****	****	****	****	****	****	****	****	****	****	****
18												- DATA MISSING -													
19												- DATA MISSING -													
20												- DATA MISSING -													
21	****	****	****	****	****	****	****	****	****	****	6	7	7	6	6	****	5	7	7	7	4	4	3	3	****
22	4	5	6	8	8	5	6	5	6	7	6	4	4	6	8	10	****	9	8	8	8	6	6	9	7
23	8	8	9	9	9	8	7	7	8	10	12	13	14	18	14	****	11	11	11	10	10	7	7	8	10
24	9	8	7	5	4	3	3	3	3	6	6	7	8	8	8	****	****	8	6	6	5	4	3	2	6
25	2	4	3	4	5	5	4	7	8	8	7	6	7	7	7	****	9	11	11	7	3	2	2	2	6
26	2	2	3	3	2	3	3	3	2	2	4	5	5	6	5	4	****	5	4	4	3	1	1	1	3
27	1	1	1	1	1	1	2	3	3	4	4	****	3	3	3	****	4	4	3	3	2	2	1	2	2
28	1	1	1	1	1	1	1	2	3	4	6	7	8	9	9	****	****	11	12	11	9	9	8	5	5
29	7	7	7	6	5	4	3	2	4	4	7	8	9	9	10	****	****	5	5	3	2	2	2	2	5
30	2	1	1	1	1	1	2	2	2	3	4	4	4	4	3	****	****	2	2	1	1	1	1	1	2
31	1	1	1	1	2	1	1	1	2	3	4	6	7	9	11	****	****	9	9	8	5	6	8	9	5
MEAN	3	3	3	3	3	2	2	3	4	5	6	7	7	8	7	7	7	7	6	5	3	3	3	3	4

PERCENTAGE OF DATA VALID - 80

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS													UNITS - PARTS PER HUNDREDMILLION												
STATION - ELMCREST ROAD ETOBICOKE													NO 35003												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	2	2	2	2	1	1	3	6	7	7	7	12	9	9	****	****	12	12	9	9	8	6	4	6
2	3	2	2	3	2	2	2	4	7	9	9	11	12	11	10	****	10	11	12	12	11	10	6	7	
3	6	5	7	5	6	3	2	3	5	6	6	6	6	5	5	****	4	4	4	3	2	2	2	2	
4	2	2	2	2	1	1	1	1	2	2	3	4	4	****	5	****	6	5	4	2	1	1	1	2	
5	2	2	2	2	2	1	1	2	2	3	4	5	5	8	10	****	****	8	7	5	2	1	2	1	
6	2	1	1	1	1	1	1	1	3	4	4	5	5	5	5	****	5	4	4	3	2	1	1	3	
7	1	2	2	3	5	4	4	5	5	6	6	6	6	5	5	****	5	4	4	4	3	3	3	4	
8	3	4	5	6	5	4	3	6	7	7	7	7	7	8	8	****	9	10	11	9	4	4	3	6	
9	4	4	4	5	5	4	3	6	9	11	13	16	15	9	9	****	9	10	11	14	14	15	13	9	
10	13	12	10	9	7	6	4	4	5	8	8	6	6	8	7	****	****	12	13	9	8	7	6	5	
11	6	6	6	6	5	4	3	4	4	5	5	5	5	5	5	****	****	5	5	4	3	2	1	4	
12	1	2	2	2	2	1	1	2	4	4	5	5	6	7	7	****	****	8	9	7	6	6	6	5	
13	5	5	5	5	5	5	4	3	4	6	8	9	9	12	13	****	****	13	12	8	7	8	7	3	
14	5	2	2	2	5	7	8	7	9	12	15	12	15	17	16	****	****	15	13	10	11	10	8	10	
15	7	8	8	8	8	8	8	8	9	10	11	11	12	13	17	****	****	17	12	8	4	4	4	9	
16	3	2	2	2	2	3	3	4	5	7	9	11	11	9	8	****	****	11	12	12	9	8	8	5	
17	4	3	3	2	2	2	3	4	5	9	10	12	14	27	35	****	****	21	19	14	8	3	4	7	
18	6	7	6	6	5	6	4	5	11	12	16	23	29	33	28	****	****	****	****	****	****	****	****	****	
19	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	19	15	13	12	11	10	10	
20	10	8	8	7	6	5	4	3	4	6	7	7	6	5	5	****	****	4	4	3	2	2	2	5	
21	2	2	2	2	3	3	2	3	4	6	7	7	5	5	5	****	****	5	5	3	2	2	2	4	
22	2	2	2	2	2	3	3	3	4	6	8	9	10	5	5	****	5	5	6	3	***	***	***	***	
23	***	***	***	***	***	***	***	***	***	***	***	***	3	3	3	****	4	4	4	4	4	2	2	***	
24	2	2	2	2	2	2	2	3	3	5	5	5	5	5	5	****	6	6	4	3	3	2	2	3	
25	2	2	2	2	2	3	3	3	3	3	4	4	5	5	5	****	6	6	5	3	3	3	3	3	
26	3	3	4	4	3	3	3	3	3	3	3	4	4	5	5	****	7	6	5	5	5	5	4	5	
27	6	7	7	7	6	5	3	4	4	4	5	5	6	6	5	****	4	6	5	5	4	4	4	5	
28	4	4	4	4	4	4	4	4	4	5	5	5	6	5	5	****	4	5	3	2	2	2	2	3	
29	3	4	4	4	4	3	3	2	4	5	5	6	5	5	5	****	5	5	3	2	2	2	2	4	
30	3	6	6	6	6	5	3	3	6	9	8	9	8	7	6	****	3	3	3	3	3	2	2	5	
31	1	1	1	1	2	2	2	2	3	4	4	3	3	4	4	****	3	3	2	2	2	2	1	2	
MEAN	4	4	4	4	4	4	3	4	5	7	7	8	8	9	9	****	6	8	8	6	5	5	4	4	

PERCENTAGE OF DATA VALID - 88

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS													UNITS - PARTS PER HUNDREDMILLION												
STATION - ELMCREST ROAD ETOBICOKE													NO 35003												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	1	1	2	3	3	3	3	4	5	6	6	****	6	5	4	3	3	3	3	3	3
2	2	2	2	2	2	2	2	3	3	2	3	5	6	6	5	****	6	5	4	4	3	3	3	3	3
3	4	6	7	7	7	6	5	5	5	****	****	****	5	4	4	****	3	3	3	****	****	****	****	****	****
4																									
5																									
6																									
7	****	****	****	****	****	****	****	****	****	****	****	****	6	6	6	****	6	7	7	5	5	6	5	3	****
8	3	3	2	2	3	4	3	2	4	6	7	7	8	9	9	****	9	10	10	10	10	8	6	6	6
9	5	4	5	5	5	4	3	3	4	4	5	5	5	5	4	****	3	4	3	3	3	3	3	3	4
10	3	3	3	3	3	3	3	3	4	5	6	6	5	5	****	3	1	2	1	0	1	0	1	1	3
11	1	1	1	****	****	****	****	****	****	****	****	****	3	4	5	5	5	5	****	****	7	7	3	****	****
12																									
13																									
14																									
15																									
16	****	****	****	****	****	****	****	****	****	****	****	****	1	1	****	2	2	1	1	1	1	1	1	0	****
17	0	0	0	****	****	****	0	****	****	0	1	2	****	****	****	6	6	6	4	3	3	3	2	2	2
18	2	1	2	1	1	0	****	0	1	3	3	4	3	3	****	3	3	2	1	1	1	1	1	0	2
19	1	1	0	0	****	****	****	1	1	3	3	4	4	4	****	4	4	2	1	1	2	2	2	1	3
20																									
21	3	1	1	1	0	0	1	1	3	3	3	4	5	5	****	6	5	5	4	3	3	3	2	2	3
22	2	2	2	2	2	2	1	1	1	2	3	4	4	4	****	5	4	3	3	3	3	2	1	0	2
23	0	1	1	1	0	0	0	0	0	1	1	1	1	1	****	3	3	3	2	1	2	2	2	1	1
24	1	3	3	3	3	3	3	3	3	3	4	4	5	5	****	4	4	3	2	2	1	1	0	0	3
25	****	****	****	****	****	****	0	0	0	1	3	3	2	3	****	3	2	1	1	2	3	4	4	3	2
26	3	0	1	0	****	****	2	1	2	2	4	7	8	8	****	9	5	6	4	2	2	0	1	2	3
27	1	1	0	3	2	2	****	****	1	1	3	5	6	6	****	6	7	7	5	2	1	2	2	0	3
28	2	1	0	3	2	2	****	****	1	1	1	1	2	2	****	3	2	1	1	1	1	1	1	2	1
29	2	2	1	****	****	****	0	0	0	2	3	4	3	4	****	5	4	3	2	1	1	1	0	0	2
30	0	****	****	****	****	****	0	1	1	1	4	4	3	3	****	4	3	2	2	3	2	4	5	4	2
MEAN	2	2	2	2	2	2	2	2	2	2	3	4	4	4	6	4	4	4	3	3	3	3	2	2	3

PERCENTAGE OF DATA VALID - 60

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS													UNITS - PARTS PER HUNDREDMILLION												
STATION - ELMCREST ROAD ETOBICOKE													MONTH OCT 71												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	0	0	2	1	1	2	4	7	8	8	****	9	5	6	3	2	2	0	1	2	3
2	1	2	2	1	2	1	0	****	0	1	3	5	6	6	****	7	8	7	5	2	1	2	2	1	3
3	2	2	0	3	2	2	2	2	2	2	2	2	2	2	****	3	2	1	1	1	2	1	2	2	2
4	2	2	1	0	****	0	0	1	1	2	3	4	5	****	****	4	4	3	1	0	0	0	****	****	2
5	0	1	1	1	1	****	0	0	1	3	4	5	5	6	****	6	6	4	4	4	4	4	4	3	3
6	3	4	4	3	3	2	1	1	1	2	3	3	2	2	****	2	2	2	2	2	2	2	2	1	2
7	1	0	0	0	2	2	2	2	2	3	3	4	4	4	****	3	3	3	2	2	2	1	0	0	2
8	0	0	0	0	****	0	0	1	2	3	4	4	4	3	****	2	2	2	3	2	2	3	2	1	2
9	0	1	2	0	2	2	0	2	0	0	0	0	2	2	****	2	2	2	2	1	1	1	1	1	1
10	0	0	0	0	1	1	****	0	0	1	2	3	4	4	****	3	2	2	1	1	2	2	2	2	2
11	2	2	2	2	2	2	1	1	1	2	2	2	3	4	****	4	4	3	2	1	1	1	2	2	2
12	1	2	2	2	1	0	0	1	1	2	2	2	3	3	****	3	3	2	2	3	4	3	2	3	2
13	1	0	1	0	1	1	1	2	1	2	2	2	1	2	****	2	2	2	1	1	1	2	1	1	1
14	1	1	****	****	****	****	0	2	2	1	2	3	3	3	****	3	2	2	1	2	3	2	2	2	2
15	3	3	3	3	2	2	0	****	0	2	3	5	6	5	****	4	3	3	3	6	8	9	4	1	4
16	0	0	1	2	2	2	0	1	2	2	2	4	5	6	****	3	3	3	3	3	2	2	3	3	2
17	2	1	1	1	2	2	1	0	0	0	1	1	1	1	****	2	1	1	1	1	1	1	1	1	1
18	2	2	3	3	3	1	1	0	1	****	1	2	3	3	****	2	2	1	1	0	****	0	1	1	2
19	1	0	0	0	0	0	0	0	0	1	1	3	3	3	****	2	2	2	3	3	2	2	1	1	1
20	1	1	1	1	1	2	3	4	3	1	2	3	3	3	****	4	4	3	3	2	4	4	1	1	2
21	1	1	0	0	0	0	1	2	1	1	1	1	2	3	****	2	2	2	2	2	2	2	1	1	1
22	1	1	1	1	1	1	0	0	0	0	0	0	1	1	****	0	0	1	1	1	0	0	0	0	0
23	1	0	0	0	0	0	0	0	0	1	1	1	1	1	****	1	1	1	1	1	0	1	1	1	1
24	1	1	0	0	0	0	0	0	1	1	2	2	1	1	****	2	2	2	2	2	1	1	1	1	1
25	1	1	1	0	0	0	0	0	0	0	0	0	****	****	2	1	0	0	1	1	1	0	0	1	0
26	1	2	1	0	2	2	0	0	0	****	0	0	1	****	3	2	****	****	****	****	0	0	0	0	1
27	0	0	0	0	0	1	1	1	0	0	1	1	0	****	2	1	1	2	1	1	1	2	3	1	1
28	0	0	2	3	3	2	1	1	2	3	4	4	4	****	4	2	0	3	2	3	3	0	****	****	2
29	0	0	****	****	****	****	****	****	****	0	1	3	3	2	****	****	0	2	3	3	2	1	1	1	****
30	0	0	****	****	****	****	****	****	****	0	2	2	4	4	****	****	2	2	2	1	2	2	2	2	****
31	0	0	0	0	0	0	****	****	0	****	****	0	****	1	****	5	5	4	3	2	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	3	3	2	2	2	2	2	1	1	2

PERCENTAGE OF DATA VALID - 89

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS												UNITS - PARTS PER HUNDREDMILLION													
STATION - ELMCREST ROAD ETOBICOKE												MONTH NOV 71													
NO 35003	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	****	****	1	1	2	2	3	4	****	****	****	****	****	****	****	****	****	****	****	****	****
2												-	DATA MISSING	-											
3												-	DATA MISSING	-											
4												-	DATA MISSING	-											
5												-	DATA MISSING	-											
6												-	DATA MISSING	-											
7												-	DATA MISSING	-											
8												-	DATA MISSING	-											
9												-	DATA MISSING	-											
10												-	DATA MISSING	-											
11												-	DATA MISSING	-											
12												-	DATA MISSING	-											
13												-	DATA MISSING	-											
14												-	DATA MISSING	-											
15												-	DATA MISSING	-											
16												-	DATA MISSING	-											
17												-	DATA MISSING	-											
18												-	DATA MISSING	-											
19												-	DATA MISSING	-											
20												-	DATA MISSING	-											
21												-	DATA MISSING	-											
22												-	DATA MISSING	-											
23												-	DATA MISSING	-											
24												-	DATA MISSING	-											
25												-	DATA MISSING	-											
26												-	DATA MISSING	-											
27												-	DATA MISSING	-											
28												-	DATA MISSING	-											
29												-	DATA MISSING	-											
30												-	DATA MISSING	-											
MEAN	1	1	1	0	****	****	1	1	2	2	3	4	****	****	****	****	****	****	****	****	****	****	****	****	2

PERCENTAGE OF DATA VALID - 1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	2	4	5
FEB	17	2	5	5
MAR	16	4	6	7
APR	DATA MISSING			
MAY	8	2	3	8
JUN	14	5	7	15
JUL	28	4	10	18
AUG	31	6	10	35
SEP	22	3	6	10
OCT	31	2	4	9
NOV	1	2	0	4
YEAR	198	3	10	35

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL OXIDANTS

UNIT - PARTS PER HUNDREDMILLION

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 14	15 & OVER	TOTAL
JAN	211	334	103	0	0	0	648
FEB	81	135	46	0	0	0	262
MAR	11	90	208	18	0	0	327
APR	DATA MISSING						
MAY	51	84	18	1	0	0	154
JUN	52	62	73	54	21	3	265
JUL	142	152	163	107	33	4	601
AUG	35	196	250	109	47	22	659
SEP	136	167	111	24	0	0	438
OCT	333	267	60	9	0	0	669
NOV	6	3	1	0	0	0	10
YEAR	1058	1490	1033	322	101	29	4033

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT									MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99		
55	0	0.4	1.2	2.1	3.6	6.4	8.3	11.4	13.1	35	3.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	0
13	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
14	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	2	2	1	1	0	0	0	0
23													- DATA MISSING -												
24													- DATA MISSING -												
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1
27	2	2	2	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	2	2	2	2	2	2	2
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1
30	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2
MEAN	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 48

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2
2	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1
3	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1
4	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2
5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	5	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	4	3	3
7	3	2	3	3	3	3	3	3	3	2	3	4	4	4	5	5	5	4	4	4	4	4	4	4	4
8	4	5	5	5	5	5	5	5	5	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7
9													- DATA MISSING -												
10													- DATA MISSING -												
11	2	2	2	1	1	1	2	3	4	3	3	3	3	4	3	4	4	3	3	3	3	2	2	2	3
12	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
13	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
14	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2
15	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	2	1	1	2	2	2	2	2	2
16	2	2	1	2	2	1	2	3	3	2	2	2	2	2	2	3	3	2	1	2	2	1	2	3	2
17	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	0	0	0	2
18	0	0	1	1	1	1	1	2	2	3	2	1	1	1	2	3	3	3	3	2	2	2	2	2	2
19	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	3	3	3	2	3	2	2	2	2	2	2	2	3	3	3	3	3	3	2
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	3	5	3	3	3	2	1	2	2
26	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2
27	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1	1	1	1	1
MEAN	2	2	2	2	2	2	2	2	2	2	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 82

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - MACDONALD GDNS OTTAWA

NO. 51001

MONTH MAY 71

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
DAY	5	6	••••	••••	5	6	6	7	8	9	11	10	9	9	••••	••••	••••	••••	••••	••••	••••	••••	7	••••	••••
2	••••	11	12	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	
3	••••	9	12	12	12	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	
4													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
5													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
6													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
7													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
8													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
9													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
10													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
11													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
12													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
13													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
14													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
15													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
16													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
17													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
18													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
19													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
20													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
21													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
22													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
23													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
24													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
25													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
26	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	2	2	2	2	2	2	2	2	2	2	1	1	1	••••
27	1	••••	••••	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2
28	2	••••	••••	1	2	2	3	••••	••••	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
29	3	3	••••	••••	2	2	3																		

PERCENTAGE OF DATA VALID - 18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

MONTH JUN 71

DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	••••	••••	2	2	2	3	••••	4	4	5	4	4	4	4	4	3	4	3	4	3	3	3	3
2	3	3	••••	••••	2	2	3	4	4	4	5	5	2	2	2	2	2	2	2	1	1	1	1	1	2
3	1	1	••••	••••	1	1	1	1	1	4	4	5	5	••••	••••	5	5	5	5	5	5	5	4	4	3
4	4	4	••••	••••	4	4	3	4	4	4	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3
5	3	3	••••	••••	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3	3	3	3	4	7	4
6	5	5	••••	••••	4	3	3	2	3	3	3	4	4	4	4	5	5	4	4	4	3	3	4	3	4
7	1	1	••••	••••	1	2	3	3	5	7	7	7	7	8	7	6	5	4	4	4	4	4	4	4	5
8	3	3	••••	••••	3	3	3	3	2	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
9	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
10	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
11	2	2	1	1	1	••••	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	2	2	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••
13	2	1	1	1	1	••••	1	2	2	2	2	2	2	3	3	3	3	3	3	2	2	3	3	3	2
14	2	2	2	2	2	••••	••••	2	2	2	2	2	3	3	4	3	3	3	3	3	3	3	3	3	3
15	2	2	1	1	1	••••	••••	••••	••••	••••	••••	••••	••••	••••	••••	1	1	1	1	1	1	1	1	1	••••
16	1	1	1	1	1	0	••••	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	1	1
17	1	1	1	1	1	1	••••	1	0	1	3	5	4	3	3	4	4	4	4	4	4	4	3	3	3
18	3	3	3	3	3	3	••••	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	4
19	3	3	3	3	3	4	••••	5	5	5	5	6	5	6	5	5	5	5	6	5	5	5	4	4	5
20	4	4	4	4	4	3	••••	4	4	4	4	5	5	5	5	5	4	3	3	2	2	2	2	2	4
21	2	2	2	2	1	2	••••	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1
22	2	2	1	1	1	1	••••	1	1	••••	••••	••••	2	1	1	1	1	1	1	0	0	0	1	1	1

PERCENTAGE OF DATA VALID - 84

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	****	1	1	2	1	2	2	3	2	2	3	3	3	2	2	2	3	3	3	3	2	2
2	1	1	1	****	1	1	1	2	***	***	3	3	3	3	3	3	4	4	3	3	3	3	3	3	2
3	3	3	3	****	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	3	3	2	****	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	2	2	2	2	2
5	2	2	2	****	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2
6	1	1	1	****	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1
7	2	2	1	****	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2
8	2	2	2	****	2	2	2	2	2	2	2	***	4	4	4	4	4	4	4	4	4	4	4	4	3
9	2	2	2	****	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	1	1	****	1	1	1	2	2	2	***	***	***	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2
12	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2
13	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	2	2	2	1	1	1	1	2
16	1	1	1	1	1	1	2	2	2	***	***	3	3	3	3	3	3	3	3	4	6	3	2	1	2
17	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
18	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2
19	1	1	1	1	1	1	1	1	1	2	3	3	2	2	3	3	2	2	2	2	2	2	2	2	2
20	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	3	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	3	4	3	3	4	2
22	4	3	4	****	4	3	3	4	4	4	4	2	2	2	2	2	2	2	2	1	1	1	1	1	3
23	1	1	1	****	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	***	***	***	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	1	1	1	1
25	1	1	1	****	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
26	1	1	1	****	1	1	1	2	2	2	2	3	3	2	2	2	2	3	4	3	3	3	2	2	2
27	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
28	1	1	1	****	1	1	2	2	2	2	***	1	1	2	2	2	2	2	1	1	1	2	2	1	2
29	1	1	1	****	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1
30	1	1	1	****	1	1	1	2	2	2	1	1	2	***	2	2	2	2	2	2	1	1	1	1	1
MEAN	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 94

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	****	1	1	2	2	2	2	2	2	2	3	3	3	3	2	2	3	3	3	3	3	2
2	3	3	3	****	3	3	2	2	2	3	3	3	4	3	3	2	2	2	1	1	1	1	1	1	2
3	1	1	1	****	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1
4	1	1	1	****	1	1	1	1	2	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
5	1	1	1	****	1	1	1	1	1	***	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
6	1	1	1	****	1	1	2	2	2	2	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1
7	1	1	1	****	1	1	1	2	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	****	1	1	1	1	1	1	2	1	1	1	1	2	2	4	5	5	2	2	3	3	2
9	2	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
11	1	1	1	****	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	***	***	2	2	2	2	2	2	2	2	2	3	4	3	2
13	2	2	1	****	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	****	0	0	1	1	***	2	1	0	1	1	0	0	1	1	1	2	2	3	3	2	1
15	1	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	2	1	1	****	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1
17	1	1	1	****	0	0	0	0	0	0	1	1	1	1	1	1	1	2	3	1	1	1	1	1	1
18	1	1	1	****	1	1	1	1	2	1	1	1	1	1	1	2	2	3	4	2	2	2	1	1	2
19	1	1	1	****	0	0	0	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	0	0	1
20	0	0	0	****	0	0	0	1	1	0	0	1	1	1	2	2	2	2	2	2	2	3	4	2	1
21	2	1	1	****	0	0	1	1	1	1	***	1	1	1	1	1	***	1	1	1	1	1	1	1	1
22	1	0	0	****	***	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	***	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1
24	1	1	1	1	0	0	1	1	0	0	0	1	1	1	1	2	2	2	1	1	1	1	1	1	1
25	1	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	****	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	1	****	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 94

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS													UNITS - PARTS PER HUNDREDMILLION												
STATION - MACDONALD GDNS. OTTAWA													NO 51001 MONTH NOV 71												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	****	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
3																									
4																									
5																									
6																									
7																									
8																									
9	****	****	****	****	****	****	****	****	****	****	****	****	****	2	2	2	2	2	2	2	2	2	2	2	****
10	1	2	1	1	1	1	1	1	2	2	1	1	1	1	1	2	2	2	2	2	1	1	1	2	1
11	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	
12	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	1	1	1	1	1	1	1	1	
13	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
14	2	2	2	2	2	2	2	2	2	2	3	3	3	****	****	****	****	****	****	****	****	****	****	****	
15																									
16																									
17																									
18																									
19	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	
20	0	0	1	****	1	1	1	1	1	1	1	1	2	3	3	3	2	1	1	1	1	1	0	0	1
21	1	1	1	1	****	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	
22	1	2	1	2	****	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	1	1	2	
23	2	2	2	2	****	2	2	1	1	1	****	8	7	6	6	6	6	6	6	6	6	6	6	4	
24	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	8	8	7	5	4	3	2	1	
25	0	0	0	0	****	0	0	0	0	0	0	0	****	2	2	0	0	0	0	0	0	0	0	0	
26	1	1	1	1	****	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	0	0	1	
27	0	0	****	0	0	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
28	1	1	****	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	
29	1	****	1	1	1	1	0	1	1	1	1	0	0	0	1	1	1	1	1	1	0	1	2	1	
30	2	1	1	****	1	1	1	1	2	2	2	5	4	****	0	0	0	0	0	0	1	1	1	1	
MEAN	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	1	1	2	

PERCENTAGE OF DATA VALID - 59

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS													UNITS - PARTS PER HUNDREDMILLION												
STATION - MACDONALD GDNS. OTTAWA													NO 51001 MONTH DEC 71												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	****	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1
2	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
3	****	****	****	****	1	1	1	2	3	3	4	5	5	5	5	5	6	5	5	3	1	****	****	****	4
4																									
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14																									
15																									
16	****	****	****	****	****	****	****	****	****	****	****	****	4	5	8	9	5	4	3	3	2	3	3	3	****
17	3	2	2	1	1	****	2	1	1	1	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1
18	1	1	1	1	****	2	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1
19	1	1	0	1	****	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1
20	1	1	1	2	****	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	3	2	1	1	1
21	1	1	1	1	1	****	1	2	2	3	2	1	****	****	****	****	****	****	****	****	****	****	****	****	****
22																									
23	****	****	****	****	****	****	****	****	****	****	****	****	1	1	2	2	2	2	2	2	2	2	2	2	****
24	2	2	2	2	****	2	2	2	2	2	2	2	3	3	3	2	3	2	2	2	2	1	1	1	2
25	1	2	2	2	****	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
26	2	2	2	2	****	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	****	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	****	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	2	****	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2
30	2	2	2	2	****	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	2	2	2	2	****	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 47

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - MACDONALD GDNS. OTTAWA

NO 51001

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	18	1	2	3
FEB	26	2	4	8
MAR	30	2	4	6
APR	30	2	7	11
MAY	9	4	4	12
JUN	29	3	5	9
JUL	24	2	4	6
AUG	28	2	4	9
SEP	30	2	3	6
OCT	31	1	2	5
NOV	20	2	7	9
DEC	18	2	4	9
YEAR	293	2	7	12

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL OXIDANTS

UNIT - PARTS PER HUNDREDMILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 14	15 & OVER	TOTAL
JAN	314	46	0	0	0	0	360
FEB	153	351	43	5	0	0	552
MAR	241	362	41	0	0	0	644
APR	224	254	64	11	1	0	554
MAY	9	73	43	9	6	0	140
JUN	169	275	152	11	0	0	607
JUL	152	254	64	0	0	0	470
AUG	268	234	49	7	0	0	558
SEP	189	463	25	0	0	0	677
OCT	546	149	7	0	0	0	702
NOV	275	117	19	17	0	0	428
DEC	103	234	13	2	0	0	352
YEAR	2643	2812	520	62	7	0	6044

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
68	0	0.2	0.7	1.2	1.8	3.0	3.8	5.0	6.3	12	1.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - MEMORIAL PK, CORNWALL

NO 56051

MONTH JAN 71

STATION - MEMORIAL PK, CORNWALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
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7																									
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22																									
23																									
24																									
MEAN																									

PERCENTAGE OF DATA VALID - 56

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - MEMORIAL PK, CORNWALL

NO 56051

MONTH FEB 71

STATION - MEMORIAL PK, CORNWALL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
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22																									
23																									
24																									
MEAN																									

PERCENTAGE OF DATA VALID - 62

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - MEMORIAL PK,CORNWALL

NO 56051

MONTH APR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10	4	4	4	3	****	4	3	3	3	3	3	3	3	****	3	4	4	5	5	****	5	4	****	3	4
11	4	2	3	2	****	2	3	3	4	4	4	5	5	****	6	****	8	9	8	7	7	6	6	6	5
12	5	5	5	4	****	3	3	3	4	5	4	****	****	9	10	10	8	9	7	7	6	6	7	6	6
13	5	4	6	5	****	4	4	4	4	4	4	****	****	****	6	4	4	4	5	5	5	5	5	5	5
14	5	3	3	4	****	3	3	3	3	3	3	3	****	****	5	****	****	5	5	5	5	4	3	5	5
15	5	4	4	4	****	2	2	3	3	3	3	****	5	5	****	****	****	****	****	6	6	5	6	5	4
16	4	4	4	4	****	4	5	4	4	4	4	4	3	4	5	5	5	5	5	5	4	4	3	3	4
17	2	2	3	2	****	2	2	****	3	3	4	6	7	8	11	11	12	12	12	9	8	8	6	5	6
18	5	3	3	3	****	4	4	4	4	4	4	4	5	5	5	5	12	12	9	8	7	8	8	8	5
19	7	5	4	3	****	3	1	****	****	4	****	****	****	****	****	****	5	8	8	8	8	8	7	7	****
20	10	6	5	4	****	2	2	2	5	5	6	7	10	13	15	14	12	9	10	9	8	8	12	12	8
21	13	10	9	10	****	7	6	6	5	5	****	****	****	****	****	1	3	3	4	3	2	2	2	2	5
22	2	2	3	3	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	3	3	2	2	****	1	1	1	1	2	2	3	3	4	5	5	5	5	5	5	4	4	4	3	3
25	3	2	2	2	****	2	1	1	1	1	1	1	1	2	2	2	3	3	3	3	2	2	2	2	2
26	1	1	1	1	****	1	1	1	1	1	1	****	****	0	0	1	2	3	3	3	3	3	3	3	2
27	2	2	2	2	****	1	1	1	1	1	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****
28	3	3	2	2	****	1	1	1	2	2	****	****	****	****	****	6	7	7	7	6	4	4	4	4	2
29	4	4	3	4	****	3	3	3	3	3	4	4	3	3	4	3	4	4	4	4	4	4	4	4	4
30	4	4	4	4	****	3	4	5	3	7	8	****	2	3	4	5	6	6	6	6	4	4	4	4	5
MEAN	5	4	4	3	****	3	3	3	3	3	4	4	4	5	5	5	6	6	6	6	5	5	5	5	4

PERCENTAGE OF DATA VALID - 56

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - MEMORIAL PK,CORNWALL

NO 56051

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	1	****	1	1	1	1	1	1	1	1	2	2	3	3	4	4	3	3	3	3	3	2
2	2	2	2	1	****	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	2	2	2	2	2
3	2	2	1	1	****	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1
4	2	2	2	2	****	2	2	1	1	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
5																									
6																									
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27																									
28																									
29																									
30																									
31																									
MEAN	2	2	2	1	****	2	1	1	1	1	1	1	1	1	2	2	2	3	3	3	2	2	2	2	2

PERCENTAGE OF DATA VALID - 10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - MEMORIAL PK,CORNWALL

NO 56051

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
14	2	1	1	1	***	2	3	4	5	5	2	2	3	***	4	7	6	6	4	3	3	3	3	2	3
15	2	3	4	4	***	4	5	5	5	6	***	***	***	***	3	6	8	9	8	7	6	5	5	4	5
16	5	8	8	5	***	6	6	8	6	5	6	7	7	7	6	5	4	2	2	1	1	1	1	1	5
17	1	1	2	2	***	2	2	2	2	3	4	5	5	5	5	5	5	5	3	4	4	6	6	4	6
18	4	4	4	3	***	5	9	8	4	***	***	***	11	10	8	5	6	5	7	6	4	4	4	4	6
19	4	3	***	9	7	9	4	4	4	5	8	9	8	7	6	4	5	4	3	3	4	4	3	3	5
20	2	2	***	5	9	6	***	***	***	***	***	1	9	9	11	13	12	10	9	9	10	12	14	13	9
21	12	9	6	5	4	3	7	23	21	6	4	5	7	7	9	9	8	8	18	25	26	24	25	27	12
22	30	19	5	2	***	3	3	12	3	3	4	***	***	7	7	7	7	9	19	13	5	5	5	5	8
23	5	5	5	4	***	3	3	4	4	5	5	5	6	6	7	7	6	6	6	5	5	6	6	4	5
24	4	3	2	2	***	2	2	2	3	3	5	7	7	5	6	6	6	5	4	4	4	4	4	3	4
25	4	4	3	4	***	3	3	3	3	3	***	***	3	4	3	3	4	3	3	3	3	3	3	2	3
26	2	2	2	2	***	1	2	3	2	2	***	***	***	***	4	4	***	3	3	***	***	6	***	4	***
27	3	3	3	3	***	3	3	4	3	3	***	***	5	5	5	3	4	3	1	2	2	6	5	2	3
28	5	4	3	3	***	3	3	***	2	2	2	1	2	2	4	2	3	3	2	1	2	2	2	2	3
29	2	2	2	1	***	1	2	1	1	1	1	1	2	***	2	1	1	2	1	1	1	1	***	***	1
30																									
31																									
MEAN	5	5	4	3	6	4	4	6	5	4	4	4	6	6	6	5	5	5	6	5	5	6	6	5	5

PERCENTAGE OF DATA VALID - 47

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - MEMORIAL PK,CORNWALL

NO 56051

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	***	***	***	***	***	***	***	***	***	***	***	***	2	2	2	3	3	4	5	6	5	7	5	2	***
2	2	1	3	2	1	1	1	1	1	1	1	0	1	2	3	4	4	5	5	5	4	4	4	3	2
3	3	3	2	2	2	1	1	1	1	2	1	3	***	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	***	2	1	1	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2
5	2	2	2	1	***	1	1	1	1	1	1	1	***	***	5	5	5	5	4	3	3	3	3	3	3
6	3	4	4	5	***	3	4	4	5	5	6	6	7	8	9	9	9	10	9	9	7	6	7	6	6
7	7	6	5	4	***	3	3	3	3	3	2	3	3	4	3	3	2	1	***	1	1	0	0	3	2
8	0	0	0	0	***	3	3	3	3	3	4	7	9	***	2	1	1	1	1	1	1	2	3	3	2
9	1	1	1	1	1	0	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
12	1	1	1	1	1	1	1	1	1	2	2	2	***	2	1	1	1	1	0	0	0	0	0	0	1
13	0	0	0	1	1	1	2	2	2	2	3	3	2	2	2	2	2	3	3	2	2	0	1	3	2
14	7	5	4	2	***	1	2	1	2	3	3	3	3	3	3	3	3	2	2	2	3	2	2	2	3
15	2	2	2	2	***	1	2	2	2	2	3	2	2	2	2	3	3	2	2	1	1	1	1	1	2
16	1	1	1	1	***	2	2	2	2	2	3	3	3	3	2	3	4	5	5	1	0	0	0	0	2
17	0	0	0	0	1	1	1	1	1	1	2	2	3	3	3	3	2	3	4	5	2	2	2	2	2
18	1	1	2	***	3	3	3	3	3	1	2	2	2	2	2	2	2	2	3	3	3	4	3	3	2
19	4	4	3	***	3	3	3	3	3	3	3	3	***	***	1	0	0	0	0	0	0	0	0	0	2
20	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	2	2	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	2	***	2	2	2	2	2	2	2	3	3	3	2
23	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	1	1	2	1	1	1	1	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2
25	2	2	2	***	2	2	2	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
26																									
27																									
28																									
29																									
30																									
MEAN	2	2	2	2	1	2	2	2	2	2	2	2	3	3	3	3	2	3	3	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 75

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - MEMORIAL PK,CORNWALL

NO 56051

MONTH DEC 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	2	2	2	2	2	2	2	2	....
2	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2
3	2	2	2	2	3	2	2	3	2	2	2	....	....	4	3	3	3	3	2	2	2	2	1	1	2
4	1	1	....	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	5	5	3	1	2
5	1	1	....	1	1	0	1	1	1	1	1	2	3	3	3	2	2	2	2	2	2	2	2	2	2
6	2	2	....	1	1	1	1	2	3	2	2	3	3	3	3	4	4	4	4	5	3	4	5	4	3
7	4	3	....	3	4	4	3	2	4	3	3	3	3	3	3	4	4	5	3	3	2	2	2	2	3
8	2	2	....	2	2	2	2	2	2	2	3	3	2	2	2	2	2	1	2	2	2	1	2	2	2
9	1	1	2	2	1	1	2	3	6	4	5	6	5	5	7	5	5	7	9	11	9	8	5	5	5
10	4	3	....	3	3	3	3	4	5	3	3	3	....	3	3	3	3	3	3	3	3	4	2	3	3
11	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3
12	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3	3	3
13	2	2	....	2	1	1	2	2	3	3	2	2	2	2	1	2	3	3	3	3	3	3	3	3	2
14	3	3	....	3	3	3	2	3	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3
15	3	3	....	2	2	2	2	2	2	2	3	....	1	0	0	1	1	0	1	1	2	1	0	0	1
16	2	1	1	1	1	2	2	2	2	1	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2
17	3	2	2	3	2	2	2	2	3	2	2	2	....	2	2	2	3	3	2	3	2	2	2	2	2
18	1	2	....	3	3	3	3	3	3	3	3	3	....	....	....	....	....	....	....	....	....	....	....	....	....
19	....	2	....	2	2	2	2	3	3	3	3	3	....	3	3	3	3	3	3	3	3	3	2	3	3
20	2	2	2	....	2	2	2	2	2	2	3	3	....	4	3	3	3	6	4	5	3	3	4	4	3
21	3	2	....	1	1	2	2	3	4	3	3	....	....	....	....	....	....	....	....	....	3	3	3	3	....
22	3	3	....	3	3	3	3	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
23	....	1	....	1	2	1	2	2	2	3	2	2	3	3	3	3	3	2	3	3	3	3	2	2	2
24	3	3	....	3	3	3	3	4	3	3	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3
25	3	3	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
26	3	2	....	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	....
27	5	5	....	5	5	6	5	5	4	5	6	6	6	6	6	7	7	8	8	8	7	6	....	....	....
28	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	1	1	2	1	1	1	1	1	1	....
29	1	1	....	1	1	1	1	....	....	....	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
30	1	2	....	2	2	2	2	2	1	1	2	2	1	2	....	....	....	....	2	2	2	2	2	2	2
31	3	3	....	3	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	1	2	2	1	1	2
MEAN	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3

PERCENTAGE OF DATA VALID - 84

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH
MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - MEMORIAL PK, CORNWALL

NO 56051

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	19	3	4	5
FEB	21	3	5	9
MAR		DATA MISSING		
APR	21	4	8	15
MAY	4	2	2	4
JUN		DATA MISSING		
JUL		DATA MISSING		
AUG		DATA MISSING		
SEP		DATA MISSING		
OCT	17	5	12	30
NOV	25	2	6	10
DEC	31	3	6	11
YEAR	138	3	12	30

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL OXIDANTS

UNIT - PARTS PER HUNDREDMILLION

STATION - MEMORIAL PK, CORNWALL

NO 56051

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 14	15 & OVER	TOTAL
JAN	43	288	88	0	0	0	419
FEB	62	155	189	13	0	0	419
MAR		DATA MISSING					
APR	38	128	178	53	11	1	409
MAY	34	42	2	0	0	0	78
JUN		DATA MISSING					
JUL		DATA MISSING					
AUG		DATA MISSING					
SEP		DATA MISSING					
OCT	32	119	132	47	10	11	351
NOV	215	276	44	16	0	0	551
DEC	92	454	67	11	1	0	625
YEAR	516	1462	700	140	22	12	2852

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
56	0	0.6	1.5	2.2	3.1	5.0	6.5	8.6	11.0	30	3.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	1	1	1	1	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1
5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
10	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0
11																									
12																									
13																									
14	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	2	3
15	3	3	3	3	4	4	4	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2
16	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
21	2	2	2	2	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	0	1	1	1	1	2	3	4	3	4	4	4	4	4	4	3	3	3	3	2
23	2	2	1	1	1	2	2	1	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	0	1	1	0	1	0	1	1	0	0	0	1	1	1	0	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	2	2	1	1	1	2	2	2	2	2	2	3	3	2	3	3	3	3	4	1
27	4	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3	2	2	1	2	2	2	2	2	2
28	2	2	2	2	2	2	1	1	1	2	1	1	2	2	2	1	1	1	0	0	1	1	1	0	1
29	1	1	1	1	0	0	1	1	1	1	1	0	1	1	2	1	2	2	1	1	1	1	1	1	1
30	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
31	2	2	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 87

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11	2	2	2	2	2	3	3	3	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13																									
14																									
15																									
16																									
17																									
18	1	1	1	1	1	1	1	1	1	1	2	4	3	3	3	3	3	3	3	3	3	3	3	3	3
19	2	2	3	3	3	3	3	3	2	2	2	1	1	1	2	4	3	3	4	1	3	5	5	5	3
20	5	5	3	6	4	2	0	1	2	3	3	3	3	3	3	3	3	3	3	3	3	1	0	1	3
21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22																									
23																									
24	3	3	2	3	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1
25	1	1	1	1	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1
26	2	2	3	3	4	3	3	3	3	2	1	2	2	2	2	1	2	3	2	2	3	4	4	5	3
27	5	5	6	5	4	4	5	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3
28																									
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 46

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	2	2	2	2	2	2	2	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	2	2	2	1	2	1	2	2	1	1	1	2	2	2	2	2	2	2	2	1	1	2
3													-	DATA MISSING	-										
4													-	DATA MISSING	-										
5													-	DATA MISSING	-										
6													-	DATA MISSING	-										
7													-	DATA MISSING	-										
8													-	DATA MISSING	-										
9													-	DATA MISSING	-										
10													-	DATA MISSING	-										
11	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	2	2	2	1	0	1	1	1	1	1	1	2	4	4	4	4	4	4	4	4	4	4	4	4	4
28	5	4	4	4	5	6	4	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
29	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	3	4	4	3	3	4	4	3	3	4	4	4	5	3	4	4	4	4	4	3	0	0	0	0	3
31	0	0	0	0	0	0	0	0	0	0	0	1	1	5	4	4	4	4	4	2	1	3	4	4	2
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	2	2	2	2	1	1	1	1	1

PERCENTAGE OF DATA VALID - 67

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH APR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	2	2	3	4	4	4	4	4	4	5	5	6	5	5	5	5	5	5	5	5	5	5	5
2	3	3	1	0	0	0	0	2	4	5	5	6	7	6	6	6	6	6	6	6	6	6	6	6	6
3	3	4	4	5	3	4	4	4	4	4	4	5	6	7	6	6	6	6	6	6	6	6	6	6	6
4	0	0	1	2	2	2	2	3	3	1	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1
5	3	3	3	3	3	3	3	3	3	3	4	1	0	0	0	0	2	3	4	4	4	2	3	2	2
6	1	1	0	0	0	0	0	0	0	1	4	4	1	4	2	1	1	1	1	1	1	1	2	1	1
7	2	2	4	5	5	4	4	4	4	4	4	4	5	5	4	4	5	5	5	5	5	3	3	3	4
8	3	3	3	2	2	2	2	2	2	1	0	0	4	5	4	5	5	5	4	3	2	2	1	2	3
9	3	3	3	1	5	2	2	2	2	2	2	2	0	1	3	6	5	5	5	4	4	4	5	5	3
10	5	5	4	4	4	4	4	4	4	4	4	5	5	5	2	1	1	2	5	5	5	5	3	4	4
11	2	3	3	4	4	4	5	6	5	7	9	11	11	11	11	11	11	11	11	11	11	11	11	11	11
12													-	DATA MISSING	-										
13	4	4	5	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5
14	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
15	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
16	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	3	3	4	3	4	3	4	4	4	3	3	3	3	3	3	3	4	3	2	1	1	2	2	2	3
19	2	2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
20	0	1	3	2	1	1	2	4	3	3	2	1	4	7	7	4	5	2	2	2	3	4	4	4	3
21	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	5	5	5	5
22	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	5	4	5	4	5	5	5
23	5	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
24	1	0	1	2	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
25	3	3	2	2	2	2	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	4	4	3	4
26	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4
27	3	3	3	3	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	1	1	1	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	4	4	4	4	4	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3	3	3	2	3	3	3	3

PERCENTAGE OF DATA VALID - 86

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	3	3	3	****	****	4	5	4	5	4	1	1	4	4	3	1	1	2	2	1	1	3
2	1	2	3	4	3	2	2	****	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3
3	4	4	3	3	3	3	3	****	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4
4	3	3	3	3	3	3	3	****	5	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4
5	0	0	0	0	0	1	1	1	4	****	1	1	1	1	1	1	1	1	1	2	4	1	1	2	1
6	3	3	3	2	2	2	2	****	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
7	2	2	2	2	2	2	2	****	2	1	1	1	0	0	1	0	1	1	2	3	3	4	4	3	3
8	1	2	2	2	1	1	2	****	1	1	1	1	2	4	4	4	4	4	3	3	2	2	2	2	2
9	2	2	2	2	1	1	0	****	0	1	2	1	1	1	1	1	0	1	1	1	1	****	****	****	1
10	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	2	4	4	6	5	2	1	1	****
11	3	5	3	2	3	2	1	****	4	7	7	7	8	8	8	8	8	8	7	5	4	3	3	4	5
12	4	5	6	5	5	5	3	****	4	4	2	0	0	0	0	0	0	1	1	1	1	1	1	1	2
13	1	3	2	1	1	1	1	****	1	1	1	2	2	2	1	1	1	2	2	3	3	3	3	3	2
14	3	3	3	2	3	2	2	****	4	4	4	4	5	7	6	7	6	4	2	3	4	5	4	4	4
15	4	4	4	4	3	3	3	****	3	4	4	5	6	7	8	9	9	10	11	11	11	11	10	3	6
16	4	3	6	7	4	2	3	****	3	5	5	3	1	3	2	2	5	5	5	5	5	5	4	4	4
17	4	4	3	3	3	3	2	****	****	****	0	0	0	2	2	2	2	2	1	2	3	3	2	2	2
18	5	5	4	4	5	5	4	****	1	2	2	1	3	4	4	4	1	3	3	3	3	2	1	1	3
19	1	1	0	0	1	1	1	****	1	1	1	2	5	8	8	9	9	9	10	10	8	8	7	4	5
20	4	3	2	1	2	3	3	****	5	6	6	6	7	7	7	7	7	7	4	5	2	1	1	2	4
21	3	3	3	3	3	3	3	****	3	3	3	3	3	4	4	4	4	4	3	3	2	4	4	4	3
22	4	4	3	4	3	4	4	****	5	5	5	5	5	5	5	5	5	4	4	3	3	3	3	3	3
23	2	2	2	1	1	0	1	****	0	1	2	2	3	3	0	0	0	0	0	0	0	1	2	3	1
24	4	4	3	3	2	1	1	****	1	3	4	2	0	0	3	1	0	1	3	3	0	0	1	1	2
25	0	1	1	1	2	3	2	****	3	3	2	0	0	0	3	4	3	3	3	2	2	2	1	1	2
26	2	2	2	1	2	2	1	****	2	2	2	2	2	2	2	2	2	2	1	0	0	2	1	1	2
27	2	3	3	3	3	2	2	****	2	3	3	3	3	3	3	3	4	4	4	3	2	1	1	1	3
28	1	1	1	2	1	1	2	****	****	****	6	6	6	5	5	4	2	1	2	3	4	3	2	1	3
29	0	0	0	0	1	1	0	****	0	0	0	3	1	0	4	3	3	3	1	4	5	4	3	4	2
30	3	4	1	3	4	3	1	****	3	4	2	2	3	2	5	6	5	3	3	3	3	3	3	4	3
31	4	4	3	3	3	2	2	****	5	4	4	5	5	5	5	4	4	5	4	1	1	1	2	6	4
MEAN	3	3	3	2	2	2	2	1	3	3	3	3	3	3	4	4	3	4	3	3	3	3	3	3	3

PERCENTAGE OF DATA VALID - 93

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	1	1	****	0	0	0	0	0	0	0	0	0	1	3	4	3	2	2	2	1
2	3	3	1	1	1	1	0	****	3	4	5	5	5	4	4	4	4	4	3	3	3	3	3	3	1
3	1	1	2	1	1	1	1	****	3	2	0	0	0	2	1	1	1	1	1	1	1	2	4	4	1
4	4	2	1	3	1	1	1	****	1	1	1	2	1	1	2	3	2	3	3	2	2	2	2	2	2
5	2	1	1	1	1	1	2	****	4	4	1	1	1	1	2	1	4	4	4	3	3	3	2	2	2
6	3	4	4	4	2	1	1	****	3	3	2	2	4	6	3	2	1	1	2	4	3	2	2	4	3
7	2	4	6	5	5	4	4	****	3	4	3	5	2	1	1	1	1	2	2	2	1	1	2	3	3
8	2	2	1	2	3	3	3	****	3	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3
9	3	2	2	2	1	1	1	****	3	3	3	3	3	3	3	3	4	4	3	2	1	1	1	1	2
10	1	1	1	1	1	1	1	****	3	3	4	4	4	2	1	3	3	2	0	0	1	2	1	1	2
11	1	1	1	1	2	2	3	****	5	5	5	5	5	6	5	5	5	5	5	4	3	2	3	2	4
12	2	3	2	0	0	0	0	****	0	0	0	0	0	0	0	0	1	0	1	2	3	1	1	1	1
13	1	1	2	1	2	1	2	****	4	5	1	3	2	3	0	0	0	1	0	0	0	0	0	0	1
14	0	0	0	1	1	1	1	****	0	2	1	0	3	2	1	1	1	2	3	2	1	2	2	2	1
15	1	1	1	1	1	1	2	****	4	5	4	1	3	4	1	1	1	1	1	1	1	0	0	0	2
16	0	0	0	1	2	3	2	****	0	0	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****
17									- DATA MISSING -																
18									- DATA MISSING -																
19									- DATA MISSING -																
20									- DATA MISSING -																
21									- DATA MISSING -																
22									- DATA MISSING -																
23									- DATA MISSING -																
24									- DATA MISSING -																
25									- DATA MISSING -																
26									- DATA MISSING -																
27									- DATA MISSING -																
28									- DATA MISSING -																
29									- DATA MISSING -																
30									- DATA MISSING -																
MEAN	2	2	2	2	2	1	2	****	2	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 49

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	1	1	2	2	2	2	2	2	2	****
14	****	1	1	1	1	1	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
15													- DATA MISSING -												
16													- DATA MISSING -												
17	****	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	1	2
18													- DATA MISSING -												
19	****	1	1	1	2	2	2	2	3	3	3	3	****	3	3	4	4	4	4	4	3	2	1	1	3
20													- DATA MISSING -												
21													- DATA MISSING -												
22													- DATA MISSING -												
23	****	****	3	5	5	5	3	4	5	3	2	2	****	4	5	4	4	3	5	4	2	5	1	2	4
24													- DATA MISSING -												
25	****	1	0	0	0	0	0	3	8	3	8	13	18	21	21	18	5	4	1	1	1	1	1	1	6
26	****	1	1	1	1	1	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
31													- DATA MISSING -												
EBAN	****	1	1	2	2	2	2	3	5	3	3	4	7	6	6	6	3	3	3	3	2	3	1	1	3

PERCENTAGE OF DATA VALID - 15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5	****	****	****	****	****	****	****	****	****	****	****	2	2	2	0	1	****	****	****	****	****	0	0	0	****
6	0	0	0	1	1	1	****	1	1	2	2	****	****	****	2	1	0	****	0	4	5	4	4	5	2
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10	****	****	****	****	****	****	****	****	****	****	****	****	****	****	5	5	3	0	3	****	****	0	2	1	****
11	1	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3
12	4	4	4	4	1	****	2	3	0	****	2	3	3	3	3	4	4	4	4	****	****	****	1	****	3
13	1	2	1	0	1	1	0	1	1	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
20	****	****	****	****	****	****	****	****	****	****	****	****	****	4	4	4	3	3	3	2	3	4	4	4	****
21	5	3	4	4	5	5	5	5	5	5	5	5	5	5	5	5	4	4	5	5	5	5	5	5	5
22	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	5	5
23	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	6	6
24	7	7	7	7	7	7	7	7	7	****	****	2	1	2	2	1	0	****	****	0	****	****	****	1	4
25	1	1	1	1	0	2	0	****	****	****	****	****	1	0	****	****	****	****	****	****	****	****	****	****	****
26	****	3	3	5	5	5	5	6	6	6	6	7	7	7	6	6	6	6	6	6	6	6	7	6	6
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
31													- DATA MISSING -												
IBAN	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4	4

PERCENTAGE OF DATA VALID - 29

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH SEP 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	4	3	3	2	2	2	2	2	.....
21	2	2	2	2	2	1	1	1	1	1	0	2	3	0	1	2	0	2	2	3	3	4	4	.....	2
22	4	5	6	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	1	1	1	1	1	1	1	1	.....	.....
23	1	1	1	2	2	2	2	2	2	3	3	4	4	6	5	3	2	2	2	2	3	3	3	.....	3
24	2	2	2	2	2	2	2	2	3	3	3	4	4	4	4	4	4	4	4	1	1	2	2	.....	3
25	2	2	2	2	2	2	2	2	1	1	1	0	0	0	0	1	0	1	2	1	1	1	1	.....	1
26	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	2	2	1	1	1	1	1	.....	1
27	1	1	1	0	0	0	1	1	1	1	1	3	5	.....	6	5	4	4	3	2	2	2	2	.....	2
28	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	5	5	.....	3
29	4	4	4	2	1	1	1	2	3	2	3	3	3	3	3	3	3	3	2	2	2	2	2	.....	3
30	2	2	2	2	2	2	2	2	2	1	1	2	2	3	3	3	2	2	2	2	2	2	2	.....	2
MEAN	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 31

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH OCT 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	2	3	3	3	3	3	3	4	5	6	6	7	7	6	7	7	7	7	6	4	.....	5
2	3	2	3	2	2	3	2	1	1	1	1	1	1	1	2	3	3	2	2	1	0	0	0	.....	2
3	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	3	1	1	1	3	4	.....	1
4	4	4	3	3	3	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.....	1
5	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	3	3	3	3	2	3	3	3	.....	1
6	2	2	3	2	2	2	2	3	3	3	3	.....	.....	2	2	2	2	2	2	2	2	2	2	.....	2
7	3	3	3	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	1	1	.....	2
8	1	1	1	1	1	1	1	1	1	1	1	3	3	3	2	2	2	2	2	2	3	3	2	.....	2
9	3	3	3	3	3	2	1	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	.....	1
10	0	0	0	1	2	2	2	2	1	0	1	1	1	1	0	1	2	2	2	1	0	1	2	.....	1
11	1	1	1	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	.....	2
12	1	1	1	1	1	1	1	1	2	2	2	2	2	2	4	3	3	3	2	1	1	1	1	.....	2
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	.....	1
14	1	2	2	2	3	2	2	3	2	2	3	6	6	7	7	8	8	8	8	8	7	7	7	.....	5
15	3	3	5	4	3	2	0	0	1	2	2	0	0	0	0	1	1	2	3	3	2	2	1	.....	2
16	2	2	1	1	1	1	1	1	2	2	2	3	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17													- DATA MISSING -												
18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	6	6	5	4	3	3	3	3	3	.....	.....
19	4	4	4	5	4	3	3	3	4	.....	6	9	10	11	12	10	9	9	6	7	9	9	8	.....	7
20	8	8	7	6	6	4	3	3	4	5	4	5	4	2	2	2	3	5	4	4	4	5	6	0	.....
21	4	4	3	3	3	4	4	4	4	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	3	2	4	2	3	3	4	4	4	.....	.....
23	3	3	3	3	3	3	2	2	1	1	0	0	0	1	1	0	0	0	1	1	0	0	0	.....	1
24	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	2	2	0	1	1	1	.....	0
25	3	3	2	1	1	0	0	0	1	1	0	0	1	2	1	1	2	1	1	2	1	2	3	.....	1
26	3	4	4	4	4	4	3	3	3	2	.....	.....	4	4	4	4	5	5	4	3	2	3	3	.....	4
27	1	1	1	2	2	2	1	1	1	1	1	2	3	4	5	4	4	4	4	4	4	3	2	.....	2
28	5	4	.....	.....	.....	1	2	2	.....	0	2	1	1	0	2	2	2	2	2	0	1	2	2	.....	2
29	3	3	2	2	2	2	2	2	2	0	0	0	1	1	1	1	1	1	1	1	1	1	1	.....	1
30	1	1	1	1	0	2	2	2	2	2	1	1	0	0	0	0	0	0	1	2	1	0	2	.....	1
31	2	3	3	3	3	4	4	3	3	4	3	3	2	2	1	1	3	2	0	0	0	2	3	.....	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	0	2

PERCENTAGE OF DATA VALID - 85

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	4	4	3	4	4	4	4	3	1	1	1	1	2	2	2	2	2	2	2	2	2	3
2	2	1	1	1	1	3	3	2	1	2	1	1	2	2	2	****	****	1	1	1	1	1	1	****	1
3	0	0	0	0	0	0	0	0	0	1	1	2	****	0	0	1	2	2	1	0	0	0	0	****	0
4	1	1	1	1	2	2	3	3	3	3	3	4	4	4	****	****	****	****	****	****	****	****	****	****	****
5																									
6																									
7	****	****	****	****	****	****	****	****	1	3	3	3	4	4	4	4	3	3	3	3	3	4	3	****	****
8	2	2	1	2	2	2	1	1	****	1	****	****	****	****	****	****	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	0	0	1	****	****	1	1	1
10	****	****	2	2	3	2	2	2	2	2	2	2	1	****	****	****	****	****	****	2	2	2	2	2	2
11	2	1	****	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1
12	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
13	2	1	****	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	0	1
14	0	0	****	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	0	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	****	0	0	0	0	0	1	1	1	1	1	****	0	0	0	0	0	0	0	0	0	0	0
17	0	0	****	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	****	****	0	0	1	1	1	1	1	1	1	1	0	0	0	1	1	0	1	1	1	1	1	1
20	1	1	****	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
21	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	2	2	****	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	****	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
25	0	0	****	0	0	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1
26	1	1	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	****
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
29	0	0	****	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0
30	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 83

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH DEC 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	****	****	****	****	****	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	****	0	0	0	3	3	3	0	0	0	0	0	1	1	1	0	0	1	0
3	0	0	0	0	0	****	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0
4	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
5																									
6																									
7																									
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25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - ASH ST WATER TANK SUDBURY

NO 77016

POLLUTANT - TOTAL OXIDANTS

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	1	3	4
FEB	18	2	4	6
MAR	23	1	3	8
APR	29	3	5	11
MAY	31	3	6	11
JUN	16	2	4	6
JUL	7	3	6	21
AUG	13	4	6	7
SEP	11	2	3	6
OCT	30	2	7	12
NOV	28	1	3	4
DEC	4	0	1	3
YEAR	239	2	7	21

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL OXIDANTS

UNIT - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 14	15 & OVER	TOTAL
JAN	539	96	18	0	0	0	653
FEB	129	148	34	0	0	0	311
MAR	352	105	36	6	0	0	499
APR	128	207	273	17	1	0	626
MAY	186	266	205	35	4	0	696
JUN	166	125	65	0	0	0	356
JUL	42	48	19	2	1	4	116
AUG	45	41	119	14	0	0	219
SEP	75	120	34	0	0	0	229
OCT	261	268	80	27	2	0	638
NOV	491	90	17	0	0	0	598
DEC	63	3	0	0	0	0	66
YEAR	2477	1517	900	101	8	4	5007

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
57	0	0.2	0.6	1.0	2.3	4.0	4.9	6.2	7.3	21	2.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - 471 UNIVERSITY WINDSOR OAMST

NO 12008

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13	***	***	***	***	***	***	***	***	***	***	***	2	2	4	4	5	4	3	3	3	3	3	2	2	***
14	2	1	1	1	1	1	1	***	2	2	3	3	3	2	2	3	3	4	3	3	3	3	3	3	2
15	3	3	2	2	2	2	2	***	3	3	4	5	6	4	4	3	2	2	***	6	5	5	5	4	4
16	5	4	4	3	2	1	2	***	2	2	2	3	2	2	1	1	2	2	1	1	1	1	1	1	2
17	1	1	1	1	1	1	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	0	0	1
18	1	0	1	1	1	1	0	0	***	***	***	1	1	2	3	3	4	2	2	2	2	1	1	1	2
19	2	2	2	2	2	2	2	***	***	3	3	2	2	1	1	1	1	1	3	3	3	2	2	1	2
20	1	1	1	1	2	1	1	1	***	***	***	1	1	1	1	1	4	5	3	2	2	2	2	2	2
21	2	1	1	1	1	1	1	0	1	1	2	1	1	1	1	1	2	1	2	3	3	2	1	1	1
22	1	1	2	1	1	1	1	1	***	2	2	2	1	2	***	2	2	2	1	1	1	0	1	0	1
23	0	1	0	1	1	1	1	1	***	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	***	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	0
25	0	0	0	0	0	0	0	0	2	***	***	1	1	1	1	***	***	***	***	***	***	***	***	***	***
26	***	***	***	***	***	***	***	***	***	***	0	2	1	1	1	1	2	1	0	0	0	1	1	1	***
27	1	1	1	1	1	1	1	1	2	***	1	1	1	***	1	1	2	2	1	1	1	1	2	3	1
28	2	3	2	2	2	2	2	2	***	2	3	3	2	2	1	1	0	0	0	1	1	1	1	1	2
29	2	1	1	1	1	1	1	1	***	***	***	***	***	1	2	2	3	3	3	3	2	2	2	2	2
30	2	2	2	2	2	2	1	1	***	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
MEAN	2	1	1	1	1	1	1	1	2	1	2	2	2	1	1	2	2	2	2	2	2	1	1	1	1

PERCENTAGE OF DATA VALID - 52

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - 471 UNIVERSITY WINDSOR OAMST

NO 12008

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	***	***	***	2	1	1	1	1	2	4	3	3	2	2	1	1	1
2	2	1	1	0	0	0	2	2	***	2	2	1	1	2	2	2	2	2	2	2	2	1	1	2	1
3	1	2	2	1	1	1	1	1	***	***	1	1	1	2	2	2	2	2	1	***	1	1	1	1	1
4	1	1	2	2	1	1	1	2	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	***	***	***	***	***	2	2	2	2	3	2	1	1	***	1	1	1
6	1	1	1	1	2	2	2	2	***	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	***	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
9	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	3	3	3	3	2	2	2	2	2	***
10	2	2	2	2	2	2	1	2	2	***	2	2	2	2	2	3	2	3	3	3	3	2	2	1	2
11	1	1	1	1	1	1	1	1	***	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	0	1	0	***	***	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2
13	4	3	4	3	2	1	1	1	***	1	***	1	1	1	1	1	1	1	2	1	1	1	1	1	2
14	1	2	1	1	1	1	1	1	***	1	1	2	3	3	3	3	3	3	4	4	3	3	3	2	2
15	2	2	2	2	2	2	2	2	***	***	***	2	2	2	2	3	3	4	4	4	4	4	3	3	3
16	3	3	3	3	3	3	3	3	***	3	2	2	3	3	2	2	3	3	3	3	3	3	3	2	3
17	2	2	2	3	2	2	2	2	***	***	3	3	3	3	3	3	4	3	3	3	3	3	3	2	3
18	2	2	2	2	2	2	2	2	***	2	2	1	2	2	2	4	4	4	3	3	4	2	***	***	2
19	***	***	***	***	***	***	***	***	***	***	***	***	***	***	2	1	1	2	2	2	3	3	2	2	***
20	2	2	2	2	2	1	1	1	***	2	2	2	2	3	2	3	3	3	3	2	2	2	2	2	2
21	2	1	2	2	1	1	1	1	***	1	1	1	1	1	1	2	2	2	2	2	1	1	1	2	1
22	2	1	***	1	1	1	2	2	***	***	2	1	***	***	***	***	***	***	***	***	***	***	***	***	***
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	2	2	2	2	1	1	1	1	***	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 59

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - 471 UNIVERSITY WINDSOR OAMST NO 12008

MONTH DEC 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	1	1	1	1	1	1	1	1	1	****
15	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	2	2	1	1	1	1	1	1	2	****
16	2	2	2	1	1	1	2	2	2	****	****	1	1	1	1	****	1	1	1	2	1	2	2	2	1
17	2	1	1	1	1	1	1	1	1	****	****	1	2	2	2	2	1	1	1	1	1	1	1	1	1
18	1	1	1	1	0	0	1	1	****	****	2	2	2	1	2	2	2	2	2	1	1	2	1	1	1
19	1	1	1	1	2	1	1	1	****	****	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	****	****	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1
21	1	1	1	1	2	2	2	****	****	****	****	****	1	1	2	2	2	2	2	2	2	2	2	2	2
22	2	1	1	1	1	1	2	2	****	****	****	****	1	0	0	1	1	2	2	1	1	1	1	1	1
23	2	1	1	1	1	1	1	1	****	****	****	****	2	2	2	2	2	2	2	1	1	2	2	2	2
24	2	2	1	1	1	2	2	1	****	****	****	****	1	3	3	3	2	2	2	2	2	2	2	2	2
25	2	2	2	2	2	2	1	1	****	****	****	****	1	1	1	1	1	1	1	1	0	1	1	1	1
26	1	1	1	1	1	1	1	1	****	****	****	****	1	1	2	2	2	2	2	2	2	2	2	2	2
27	2	1	2	2	2	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
28	****	****	****	****	****	****	****	****	****	****	****	****	1	1	1	2	1	2	1	1	1	1	1	1	****
29	1	1	1	1	1	1	0	1	****	****	****	****	1	1	2	2	****	****	1	1	1	1	1	1	1
30	1	1	1	1	1	1	1	1	****	****	****	****	1	1	1	****	1	2	2	2	2	2	2	2	1
31	2	1	1	1	1	1	2	2	****	****	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	1	1	1	1	1	1	1	****	****	1	1	1	2	1	2	2	2	2	2	1	1	2	2	1

PERCENTAGE OF DATA VALID - 46

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - 471 UNIVERSITY WINDSOR OAMST NO 12008

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	7	12	17
FEB	28	8	20	42
MAR	31	3	5	10
APR	30	5	9	19
MAY	31	5	11	27
JUN	30	6	14	23
JUL	31	5	10	18
AUG	31	6	12	25
SEP	DATA MISSING			
OCT	19	1	4	6
NOV	22	2	3	4
DEC	18	1	2	3
YEAR	302	5	20	42

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNIT - PARTS PER HUNDREDMILLION

STATION - 471 UNIVERSITY WINDSOR OAMST NO 12008

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	17	102	254	242	51	34	0	700
FEB	59	85	132	171	69	69	12	597
MAR	116	286	225	24	0	0	0	651
APR	38	176	270	158	15	3	0	660
MAY	94	194	182	128	43	32	3	676
JUN	73	129	188	189	39	44	4	666
JUL	46	197	287	124	25	24	0	703
AUG	82	114	214	171	32	34	4	651
SEP	DATA MISSING							
OCT	240	133	21	0	0	0	0	394
NOV	195	220	14	0	0	0	0	429
DEC	205	143	0	0	0	0	0	348
YEAR	1165	1779	1787	1207	274	240	23	6475

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
80	0	0.6	1.8	3.4	5.6	9.3	11.6	15.1	17.0	42	4.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - VICTORIA ST SARNIA OAMST

NO 14049

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	2	4	6
FEB	27	3	8	10
MAR	31	3	6	11
APR	30	4	9	19
MAY	24	4	7	15
JUN	25	3	7	14
JUL	31	2	4	8
AUG	30	2	3	9
SEP	30	2	3	7
OCT	31	2	4	7
NOV	30	2	4	10
DEC	31	2	3	5
YEAR	350	2	9	19

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNIT - PARTS PER HUNDREDMILLION

STATION - VICTORIA ST SARNIA OAMST

NO 14049

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	152	369	134	0	0	0	0	655
FEB	42	300	203	29	0	0	0	574
MAR	106	259	237	30	3	0	0	635
APR	71	197	298	76	7	9	0	658
MAY	64	172	163	81	6	4	0	490
JUN	177	228	80	32	4	1	0	522
JUL	319	298	83	4	0	0	0	704
AUG	346	239	48	2	0	0	0	635
SEP	387	245	44	3	0	0	0	679
OCT	357	242	59	2	0	0	0	660
NOV	305	313	46	5	0	0	0	669
DEC	321	343	14	0	0	0	0	678
YEAR	2647	3205	1409	264	20	14	0	7559

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
86	0	0.3	0.9	1.6	2.6	4.5	5.7	7.5	8.8	19	2.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		3	3	2	1	1	1	2	3	2	1	2	3	3	2	****	2	4	4	5	6	8	6	4	3	
2		3	3	3	3	4	3	3	3	4	5	4	6	7	5	****	2	7	4	4	3	2	2	3	4	
3		3	2	2	3	4	1	2	1	1	1	1	1	1	1	****	2	2	3	2	4	4	3	3	2	
4		0	1	1	1	0	1	1	2	2	2	2	1	2	2	1	****	****	****	****	****	****	****	****	1	
5												-	DATA MISSING				-									
6		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	3	3	3	2	2	1	2	2	****	
7		1	2	3	1	1	1	1	0	2	0	0	1	2	2	3	2	3	2	2	1	1	1	1	1	
8		****	1	1	2	2	3	2	4	5	4	3	2	1	1	1	4	5	6	7	9	7	6	4	4	
9		****	4	3	4	3	3	4	6	7	7	6	4	3	2	1	2	2	6	3	5	4	4	****	4	
10		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
11		2	2	3	3	2	3	3	3	7	9	8	7	6	5	6	6	7	8	5	7	5	4	2	5	
12		****	2	3	3	4	3	3	3	3	3	2	2	1	1	2	2	3	4	4	2	3	4	4	3	
13		****	0	0	1	1	1	2	3	3	3	2	1	1	1	2	2	3	2	3	4	3	3	2	2	
14		****	1	2	3	2	3	5	5	5	4	4	4	5	5	5	5	5	6	5	4	4	3	2	4	
15		****	0	1	1	1	0	0	1	2	2	2	3	1	0	0	0	0	0	0	1	1	2	3	1	
16		****	1	1	0	0	0	0	1	3	4	1	2	1	0	0	0	0	1	1	1	1	2	4	1	
17		****	1	2	2	1	0	0	0	0	1	2	0	0	1	1	1	1	0	0	1	1	2	2	1	
18												-	DATA MISSING				-									
19												-	DATA MISSING				-									
20												-	DATA MISSING				-									
21												-	DATA MISSING				-									
22												-	DATA MISSING				-									
23												-	DATA MISSING				-									
24												-	DATA MISSING				-									
25												-	DATA MISSING				-									
26												-	DATA MISSING				-									
27												-	DATA MISSING				-									
28												-	DATA MISSING				-									
29												-	DATA MISSING				-									
30												-	DATA MISSING				-									
31												-	DATA MISSING				-									
MEAN		2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	3	3	3	4	3	3	3	3	

PERCENTAGE OF DATA VALID - 43

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												-	DATA	MISSING	-										
2		****	****	****	****	****	****	****	****	****	****	****	****	2	1	2	3	2	2	3	4	3	2	2	****
3	1	2	3	3	3	3	2	2	3	3	2	3	2	3	2	2	1	2	3	2	2	1	1	1	2
4	1	1	0	1	1	1	1	1	2	2	1	1	1	1	1	2	2	2	3	1	2	2	1	1	1
5	2	1	2	2	2	1	1	2	2	3	3	3	4	4	4	3	4	6	6	7	6	6	5	3	3
6	3	6	9	8	10	10	9	9	9	6	4	3	3	2	1	2	2	3	2	2	2	2	3	2	5
7	1	2	2	2	2	1	1	2	2	2	2	3	2	2	3	2	3	3	2	2	1	1	1	2	2
8	2	1	1	1	2	2	1	1	2	2	2	2	2	1	2	2	2	4	5	6	4	3	4	4	2
9	2	3	3	3	3	3	2	3	4	3	4	4	4	5	5	4	5	6	7	10	9	7	5	5	5
10												-	DATA	MISSING	-										
11	3	5	4	4	2	2	2	3	4	4	4	5	5	****	2	3	5	5	4	4	2	2	2	3	3
12	1	2	3	2	2	2	3	7	11	8	7	6	7	9	3	1	3	4	3	2	3	2	1	0	4
13	1	1	1	1	0	0	1	1	1	1	1	1	2	2	1	1	1	2	2	1	1	1	1	1	1
14	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	3	4	3	4	4	4	2
15	2	3	3	1	2	3	4	5	6	6	5	3	3	3	1	3	4	4	3	4	5	8	7	5	4
16	2	3	2	2	3	2	3	7	8	5	2	3	1	1	1	1	2	3	3	4	3	2	2	2	3
17	1	3	3	2	3	4	4	5	6	8	10	7	5	4	3	3	4	7	11	18	9	7	8	6	
18	5	7	6	6	5	7	9	12	10	8	7	5	****	****	****	4	6	7	4	5	8	10	10	7	3
19	2	2	1	2	2	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
20												-	DATA	MISSING	-										
21																									
22												-	DATA	MISSING	-										
23												-	DATA	MISSING	-										
24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	2	4	5	4	4	8	4	3	3	4	****
25	2	3	3	2	2	3	3	5	6	4	3	4	3	2	2	2	3	5	6	6	5	5	5	4	4
26	4	3	3	3	2	2	3	5	4	4	5	5	5	5	5	6	7	5	4	4	4	****	****	****	4
27												-	DATA	MISSING	-										
28												-	DATA	MISSING	-										
MEAN	2	3	3	3	3	3	3	4	5	4	4	3	3	3	2	3	3	4	4	5	4	4	3	3	3
PERCENTAGE OF DATA VALID					63																				

PERCENTAGE OF DATA VALID - 63

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH MAR 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3	1	2	1	0	0	1	1	1	1	1	1	1	1	1	1	1	2	3	1	2	2	2	1	1	1
4	2	3	1	1	1	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1
5	2	2	1	2	2	1	1	1	2	2	2	2	1	2	1	2	3	4	4	4	3	3	4	4	2
6	4	5	2	2	1	1	1	1	1	2	1	1	2	1	1	1	2	3	2	2	3	2	2	2	2
7	2	2	2	2	2	3	3	3	3	2	2	1	2	2	2	3	3	2	2	2	1	1	1	1	2
8	2	1	1	2	1	1	1	1	1	1	1	1	2	2	2	3	3	2	2	2	1	1	1	1	2
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
20													- DATA MISSING -												
21													- DATA MISSING -												
22													- DATA MISSING -												
23													- DATA MISSING -												
24													- DATA MISSING -												
25													- DATA MISSING -												
26													- DATA MISSING -												
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
31													- DATA MISSING -												
MEAN	2	3	1	2	1	1	1	1	2	2	2	1	2	2	1	2	2	3	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 17

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH APR 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	3	5	6	6	4	4	4	.....
21	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	4	3	3	.....	.....	.....	.....	.....	.....	3
22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	- DATA MISSING -	.....	.....	0	0	0	1	1	2	2	2	2	.....
23	1	1	1	0	0	0	0	0	1	1	1	1	0	1	1	2	2	2	1	2	2	3	2	3	1
24	2	2	2	2	1	2	2	1	1	2	2	2	1	0	1	2	2	2	2	3	3	4	5	3	2
25	1	1	1	2	1	1	1	2	2	2	2	1	0	2	2	2	2	2	3	3	3	4	5	3	2
26	2	3	3	4	5	4	5	7	8	3	2	0	0	1	2	5	2	2	2	2	3	3	2	2	3
27	1	2	2	1	2	2	3	4	3	3	4	.....	0	.....	.....	4	4	2	4	3	2	2	2	1	2
28	1	0	0	0	0	0	1	2	2	1	1	.....	0	2	2	2	1	1	2	2	2	2	2	2	1
29	1	1	1	1	1	1	2	2	1	1	1	.....	1	1	1	1	1	1	1	2	3	6	9	14	2
30																									
MEAN	2	2	2	2	2	2	2	3	3	2	2	1	1	1	2	2	2	2	2	3	3	3	3	4	2

PERCENTAGE OF DATA VALID - 27

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	12	14	12	12	9	10	8	6	6	5	5	****	****	3	3	2	2	3	4	6	4	2	1	1	6
2	1	1	1	1	1	1	1	1	1	1	1	****	****	1	1	1	1	1	1	1	2	1	2	1	1
3	1	1	1	1	1	1	2	2	1	1	1	****	****	1	1	1	2	1	2	2	2	2	2	2	1
4	2	2	1	1	2	2	3	4	2	2	2	****	****	1	1	1	2	1	2	9	8	4	3	3	3
5	4	5	5	4	5	4	6	5	6	4	3	****	****	2	2	1	1	1	1	2	2	2	2	2	3
6	2	2	2	2	1	2	3	3	1	1	1	****	****	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	4	6	3	1	1	****	****	0	0	0	0	2	1	1	1	1	1	1	1
8	2	1	1	1	1	1	2	1	1	1	1	****	****	2	1	1	1	1	1	1	1	1	1	1	1
9	3	3	2	2	2	2	2	1	1	1	1	****	****	0	0	0	1	1	1	1	2	4	3	3	2
10	2	5	7	5	6	7	8	9	6	2	1	****	****	0	1	1	2	3	7	8	9	10	12	10	6
11	8	10	8	9	8	9	11	8	4	3	****	****	2	1	2	2	3	3	3	2	3	3	3	2	5
12	2	2	2	3	3	5	6	7	3	3	****	****	2	3	3	3	3	3	3	3	3	3	4	3	3
13	2	3	4	3	3	5	7	6	5	4	****	****	2	3	4	3	5	5	7	6	4	6	6	4	4
14	3	2	2	3	4	5	5	5	3	2	****	****	2	2	2	2	3	3	3	3	7	15	17	12	5
15	9	7	8	8	7	6	4	3	6	6	****	****	4	4	4	3	4	4	9	8	5	4	6	4	6
16	4	6	3	4	4	5	4	5	5	5	****	****	2	3	3	2	2	2	2	3	3	3	5	7	4
17	5	4	4	3	4	4	5	5	3	4	****	****	3	3	3	3	3	5	9	7	8	5	6	4	5
18	4	4	3	3	3	4	7	8	7	5	****	****	****	****	****	4	4	3	4	4	5	4	4	4	4
19	4	3	3	3	3	3	6	7	4	4	****	****	2	2	2	2	3	3	6	5	5	2	3	2	4
20	2	1	1	1	1	2	5	5	5	4	3	****	****	1	2	2	2	3	4	3	3	5	6	3	3
21	4	5	5	5	8	9	11	7	4	2	****	****	2	2	2	2	3	2	3	3	2	3	3	2	4
22	2	4	2	2	2	2	4	2	2	2	****	****	1	1	****	****	****	****	****	****	****	****	****	****	****
23																									
24																									
25																									
26	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
27	3	3	2	2	1	1	3	3	3	2	1	1	1	1	2	2	3	4	6	5	4	4	4	4	****
28	4	3	4	3	4	5	6	5	1	1	1	1	1	2	1	1	1	0	0	1	2	2	8	12	3
29	18	16	6	6	5	1	1	1	1	0	0	0	0	0	0	0	0	0	1	2	2	3	8	7	3
30	4	7	8	3	4	3	3	1	1	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	2
31	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2	3	0	0	1	0	1	2	1	1	1
MEAN	4	4	4	3	3	4	5	4	3	2	1	1	2	2	2	2	2	2	3	3	3	4	4	4	3

PERCENTAGE OF DATA VALID - 81

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	1	0	0	0	1	3	1	0	0	****	****	1	0	0	2	4	4	4	5	7	4	4	5	2
2	4	1	2	6	3	3	5	6	4	1	4	6	4	6	7	4	5	8	4	7	5	5	5	5	5
3	4	4	5	1	3	5	5	5	5	5	3	5	4	3	6	6	4	3	3	6	11	20	15	11	6
4	9	6	5	6	5	5	8	10	6	3	1	3	4	3	3	3	4	4	7	5	10	8	8	5	5
5	4	4	6	4	3	5	5	3	3	4	5	3	2	3	3	3	3	6	6	4	4	3	6	4	4
6	5	5	7	4	4	6	5	4	4	4	2	3	3	3	4	4	3	5	4	3	4	5	5	3	4
7	3	4	6	8	4	4	5	6	3	3	5	7	3	4	5	3	5	7	4	4	9	9	4	5	2
8	5	4	4	3	3	3	5	6	5	3	3	1	0	0	1	1	1	0	1	1	1	1	1	1	2
9	0	0	0	1	2	2	1	1	0	0	1	1	0	1	1	3	2	0	1	1	1	3	8	8	2
10	5	2	2	1	1	1	1	1	1	1	****	****	1	2	1	1	1	1	1	1	1	1	3	1	1
11	1	1	1	1	2	1	2	4	2	1	****	****	0	1	1	1	4	6	5	6	4	3	4	5	3
12	6	1	2	2	2	3	3	3	1	1	1	0	1	1	1	0	0	0	1	1	1	1	3	2	2
13	4	4	3	2	1	1	1	2	2	3	2	****	****	0	0	1	2	0	1	0	2	4	3	1	2
14	0	0	0	1	1	0	1	1	2	4	3	****	****	1	1	2	1	0	1	1	1	2	3	2	1
15	1	1	1	1	1	1	1	1	1	1	0	****	****	1	1	2	4	2	0	3	2	1	1	1	1
16	1	1	2	2	7	6	5	4	3	2	1	0	1	2	1	1	1	2	6	4	6	5	8	7	3
17	9	9	9	8	9	7	8	7	4	4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	4	3	3	3	3	3	3	4	3	3	2	2	2	2	2	3	3	3	4	3	4	5	5	4	3

PERCENTAGE OF DATA VALID - 53

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7	5	7	9	6	5	8	11	11	8	5	2	4	4	3	2	3	4	4	7	3	3	3	3	2	5
8	2	2	3	2	2	2	3	3	3	3	2	2	2	3	3	3	4	5	6	4	5	6	10	14	4
9	15	10	11	10	10	10	8	4	3	3	3	3	2	2	2	2	2	1	1	3	4	3	3	3	5
10	3	3	3	2	2	2	4	4	4	4	4	4	3	3	3	3	3	3	4	4	6	7	4	3	4
11	3	3	3	4	6	7	5	6	6	5	5	5	4	3	3	3	3	3	3	3	3	3	3	3	4
12	3	3	2	2	2	3	4	4	3	3	1	1	4	4	4	4	4	4	4	4	4	4	4	4	4
13	9	7	6	5	5	6	9	6	5	4	4	4	5	5	5	6	5	5	5	5	5	6	5	5	6
14	4	4	4	4	3	4	4	4	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4
15	5	5	4	3	3	2	3	2	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4
16	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
17	5	5	4	4	4	4	4	4	4	4	4	4	5	5	6	6	6	5	5	4	4	4	4	4	5
18	3	3	4	3	3	4	5	4	3	3	3	3	2	2	3	3	3	3	3	4	4	4	4	4	5
19	5	5	6	6	4	4	7	5	4	4	4	4	6	6	6	5	5	5	5	6	5	5	5	5	5
20	5	5	4	3	2	3	4	3	3	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
21													- DATA MISSING -												
22													- DATA MISSING -												
23													- DATA MISSING -												
24													- DATA MISSING -												
25													- DATA MISSING -												
26													- DATA MISSING -												
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
31													- DATA MISSING -												
MEAN	5	5	5	4	4	5	6	5	4	4	3	1	4	4	4	4	4	4	4	4	4	5	5	5	4

PERCENTAGE OF DATA VALID - 38

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6	6	5	1	1	2	3	2	0	1	0	0	0	0	0	0	0	1	1	1	2	2	7	15	15	4
7	3	7	2	2	5	4	4	1	1	1	0	0	0	0	0	0	0	0	0	0	2	5	7	4	2
8	3	7	2	2	5	4	4	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	1	2
9	3	7	2	2	5	4	4	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	0	1	2
10													- DATA MISSING -												
11	5	8	4	4	5	6	5	4	5	4	3	6	4	5	5	3	2	4	2	2	4	2	5	5	4
12	4	5	3	2	2	1	5	4	4	4	5	4	2	1	1	1	1	2	3	1	2	3	5	5	3
13	3	6	3	5	4	3	8	4	4	1	1	2	4	4	3	4	2	4	5	3	5	9	6	9	4
14	11	7	9	10	8	8	7	8	9	4	4	5	2	2	5	4	3	2	2	4	4	7	10	15	6
15	7	14	8	8	5	8	10	11	10	5	2	5	5	3	4	4	2	2	3	6	8	7	7	9	6
16	7	8	7	7	4	8	11	4	7	3	2	4	3	3	4	4	2	2	3	6	8	7	7	9	6
17	8	4	7	3	3	6	5	3	3	5	4	5	4	4	4	6	5	4	4	7	15	15	12	19	6
18	16	19	20	16	14	12	11	9	9	6	3	4	3	4	6	3	4	7	6	5	7	5	3	3	8
19	3	2	3	4	6	3	6	4	5	5	5	3	3	4	6	5	5	6	6	6	5	4	7	7	5
20	6	8	7	8	11	10	19	24	16	4	5	4	5	4	6	3	4	4	6	7	7	5	6	7	8
21	5	6	4	3	5	4	5	7	5	5	3	6	2	4	5	4	6	5	5	10	6	9	10	14	6
22	9	8	7	6	6	6	9	7	5	5	4	4	2	2	0	2	3	3	1	2	3	3	2	3	4
23	0	1	2	1	1	1	2	3	3	3	3	3	0	1	2	2	4	2	4	3	2	2	2	2	2
24	4	0	0	0	3	1	0	1	0	0	0	0	0	0	2	3	1	1	2	3	0	0	4	0	1
25	1	1	2	2	2	2	2	2	0	0	0	0	2	1	0	0	0	1	3	4	2	2	4	2	2
26	0	1	0	0	0	0	2	4	3	3	1	1	0	0	0	0	3	0	0	0	0	0	3	1	1
27	0	1	0	0	0	0	2	4	3	3	1	1	0	0	0	0	3	0	0	0	0	0	3	1	1
28	0	1	0	0	0	0	2	4	3	3	1	1	0	0	0	0	3	0	0	0	0	0	3	1	1
29	0	1	0	0	0	0	2	4	3	3	1	1	0	0	0	0	3	0	0	0	0	0	3	1	1
30	0	1	0	0	0	0	2	4	3	3	1	1	0	0	0	0	3	0	0	0	0	0	3	1	1
31	0	1	0	0	0	0	2	4	3	3	1	1	0	0	0	0	3	0	0	0	0	0	3	1	1
MEAN	5	6	5	5	5	5	6	5	4	3	3	3	2	2	3	3	3	3	3	4	5	5	6	7	4

PERCENTAGE OF DATA VALID - 60

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	1	1	3	0	3	2	2	2	1	****	2	0	****	****	2	0	****	****	0	3	2	3	1	2
2	1	3	0	****	3	2	5	4	5	0	****	4	1	3	1	0	0	0	0	****	****	****	****	****	2
3												-	DATA MISSING	-											
4												-	DATA MISSING	-											
5												-	DATA MISSING	-											
6												-	DATA MISSING	-											
7												-	DATA MISSING	-											
8												-	DATA MISSING	-											
9												-	DATA MISSING	-											
10												-	DATA MISSING	-											
11												-	DATA MISSING	-											
12												-	DATA MISSING	-											
13												-	DATA MISSING	-											
14												-	DATA MISSING	-											
15												-	DATA MISSING	-											
16												-	DATA MISSING	-											
17												-	DATA MISSING	-											
18												-	DATA MISSING	-											
19												-	DATA MISSING	-											
20												-	DATA MISSING	-											
21												-	DATA MISSING	-											
22												-	DATA MISSING	-											
23												-	DATA MISSING	-											
24												-	DATA MISSING	-											
25												-	DATA MISSING	-											
26												-	DATA MISSING	-											
27												-	DATA MISSING	-											
28												-	DATA MISSING	-											
29												-	DATA MISSING	-											
30												-	DATA MISSING	-											
MEAN	3	2	1	3	2	3	4	3	4	1	****	3	1	3	1	1	0	0	0	0	3	2	3	1	2

PERCENTAGE OF DATA VALID - 5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												-	DATA MISSING	-											
2												-	DATA MISSING	-											
3												-	DATA MISSING	-											
4												-	DATA MISSING	-											
5												-	DATA MISSING	-											
6												-	DATA MISSING	-											
7												-	DATA MISSING	-											
8												-	DATA MISSING	-											
9												-	DATA MISSING	-											
10	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	1	1	1	1	1	****
11	1	1	1	1	1	1	0	0	1	1	2	2	2	****	1	1	3	4	6	7	8	7	6	6	3
12	5	4	4	3	3	3	3	3	4	6	5	4	4	****	3	3	3	3	5	6	7	8	7	5	4
13	8	7	6	6	6	5	5	3	4	4	2	1	1	****	1	1	1	1	1	3	3	2	2	3	3
14	3	2	1	1	1	1	1	1	1	1	1	1	1	****	1	1	1	1	2	2	2	2	2	2	1
15	2	2	2	2	3	3	2	3	5	8	9	6	3	****	2	2	2	3	3	3	3	2	2	3	3
16	2	2	2	1	1	1	1	1	2	3	2	2	****	****	****	1	2	3	4	6	7	8	8	9	3
17	9	8	7	6	5	4	4	4	6	6	5	5	****	5	5	5	6	6	6	6	6	5	4	6	6
18	4	3	3	2	3	4	4	5	5	6	5	5	****	5	4	5	6	6	5	5	3	3	2	4	4
19	2	1	1	1	1	1	1	2	3	3	2	2	****	2	2	2	3	3	3	3	3	2	2	2	2
20	1	1	1	1	1	1	1	1	2	4	3	3	****	4	3	3	3	5	4	4	4	3	3	2	3
21	2	2	2	1	1	1	1	1	1	1	0	0	****	0	1	1	1	1	0	0	1	1	1	1	1
22	0	0	0	0	0	0	0	0	1	2	1	1	****	1	2	2	2	3	3	4	5	5	6	6	2
23	6	5	6	8	9	7	6	8	9	5	4	3	****	1	1	2	2	2	2	1	2	1	1	1	4
24	1	2	2	2	1	1	2	2	3	3	3	3	****	****	****	3	5	4	4	4	4	4	4	3	3
25	3	3	2	2	2	1	1	2	4	5	5	3	****	2	2	2	4	6	6	7	7	5	3	2	3
26	2	2	2	3	3	3	3	5	8	9	7	6	****	6	6	5	6	8	8	8	6	4	2	1	5
27	1	1	1	1	1	1	1	1	2	2	3	3	****	10	9	7	6	6	5	4	4	4	4	3	3
28	3	2	2	1	1	0	0	0	1	0	0	0	****	1	1	1	2	2	2	2	2	3	3	2	1
29	1	1	1	1	1	0	0	0	1	1	1	1	****	2	2	2	3	3	3	3	3	2	1	1	1
30	1	1	1	1	0	0	0	1	1	1	1	1	****	****	2	2	2	3	3	3	2	2	2	2	1
MEAN	3	3	2	2	2	2	2	2	3	4	3	3	2	3	3	3	3	4	4	4	4	4	3	3	3

PERCENTAGE OF DATA VALID - 64

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH DEC 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	3	5	4	2	2	****	2	2	2	3	4	5	6	7	8	8	8	4
2	10	17	19	19	18	17	15	19	26	20	11	6	****	3	3	4	5	7	7	7	6	6	6	6	11
3	6	5	4	4	4	5	5	6	7	7	5	5	****	4	4	4	4	4	4	3	4	4	3	3	5
4	5	5	5	5	5	6	7	8	10	9	5	3	****	2	2	2	3	7	5	3	2	1	1	2	4
5	1	1	1	1	0	0	0	0	0	0	1	1	****	2	1	1	1	2	2	2	2	2	2	2	1
6	2	2	2	3	3	3	3	5	6	6	5	5	****	6	6	6	7	9	10	11	11	10	9	9	6
7	8	6	5	4	3	3	3	4	4	3	4	4	****	4	5	5	5	6	5	4	3	3	3	3	4
8	2	2	2	2	2	1	2	3	4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
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25																									
26																									
27																									
28																									
29																									
30	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
31	1	1	1	1	1	1	1	2	4	5	6	6	****	****	5	6	6	6	7	7	8	8	6	4	4
MEAN	4	5	5	5	4	4	4	6	7	7	5	4	****	3	4	4	4	6	6	5	5	5	4	5	5

PERCENTAGE OF DATA VALID - 26

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - KING/RECTORY LONDON FAIR

NO 15001

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	16	3	5	9
FEB	20	3	7	18
MAR	6	2	2	5
APR	10	2	3	14
MAY	28	3	6	18
JUN	17	3	6	20
JUL	15	4	6	15
AUG	25	4	8	24
SEP	2	2	2	5
OCT	DATA MISSING			
NOV	21	3	6	10
DEC	10	5	11	26
YEAR	170	3	11	26

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNIT - PARTS PER HUNDREDMILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	107	133	70	15	0	0	0	325
FEB	85	190	107	42	3	1	0	428
MAR	64	58	7	0	0	0	0	129
APR	73	99	22	3	0	1	0	198
MAY	190	218	135	49	8	5	0	605
JUN	142	90	122	30	2	2	0	388
JUL	5	101	154	25	3	2	0	290
AUG	104	111	150	63	7	15	1	451
SEP	17	14	5	0	0	0	0	36
OCT	DATA MISSING							
NOV	150	170	108	33	0	0	0	461
DEC	25	60	73	27	3	8	1	197
YEAR	962	1244	953	287	26	34	2	3508

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT									MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99		
43	0	0.4	1.1	2.2	3.6	6.0	7.7	9.8	13.2	26	3.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - SIMCOE HORTICULTURAL STATION NO 16001

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA MISSING		
FEB		DATA MISSING		
MAR		DATA MISSING		
APR	9	1	1	2
MAY		DATA MISSING		
JUN	7	1	0	5
JUL	9	4	4	10
AUG	8	1	1	6
SEP		DATA MISSING		
OCT		DATA MISSING		
YEAR	33	2	4	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNIT - PARTS PER HUNDREDMILLION

STATION - SIMCOE HORTICULTURAL STATION NO 16001

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN		DATA MISSING						
FEB		DATA MISSING						
MAR		DATA MISSING						
APR	181	1	0	0	0	0	0	182
MAY		DATA MISSING						
JUN	58	6	4	0	0	0	0	68
JUL	10	51	31	16	0	0	0	108
AUG	75	29	1	0	0	0	0	105
SEP		DATA MISSING						
OCT		DATA MISSING						
YEAR	324	87	36	16	0	0	0	463

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
15	0	0.1	0.4	0.7	1.0	3.6	5.1	7.5	8.1	10	1.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - 67 COLLEGE ST TORONTO CAMST

NO 31001

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	10	9	6	4	4	9	19	9	5	5	4	3	3	3	3	4	3	3	3	4	4	5	6	6
2	4	4	4	3	3	6	10	19	26	16	12	10	7	10	9	11	12	14	16	17	14	17	12	8	11
3													DATA MISSING	DATA MISSING	DATA MISSING										
4													DATA MISSING	DATA MISSING	DATA MISSING										
5	***	***	***	***	***	***	***	***	***	***	***	4	5	6	6	5	9	6	14	14	12	12	11	9	***
6	9	8	6	5	6	5	5	6	7	6	5	5	4	4	5	5	5	5	6	10	9	8	4	4	6
7	4	4	3	5	5	7	11	11	9	10	14	11	***	***	***	***	***	***	***	***	***	***	***	***	***
8	***	***	***	***	***	***	***	***	***	12	15	12	11	12	11	11	12	11	10	11	11	8	9	7	***
9	6	6	5	5	4	4	6	9	8	6	6	7	11	9	***	***	***	5	7	10	9	7	7	12	7
10	17	17	10	6	5	8	14	24	18	7	8	7	6	6	6	6	8	8	7	9	11	14	11	16	10
11													DATA MISSING	DATA MISSING	DATA MISSING										
12													DATA MISSING	DATA MISSING	DATA MISSING										
13	***	***	***	***	***	***	***	***	***	***	***	***	***	***	3	6	7	7	6	6	6	6	5	4	***
14	4	***	***	***	***	***	***	***	***	7	1	1	2	2	3	4	5	4	4	2	3	3	3	5	3
15	7	9	8	8	8	7	6	9	10	9	8	8	3	4	4	4	3	3	5	7	5	6	4	4	6
16	2	2	3	3	2	3	8	16	22	22	20	9	6	8	9	9	10	14	20	24	26	20	19	12	12
17	5	4	3	2	1	2	3	9	9	6	***	2	2	2	2	3	5	4	2	5	6	6	6	8	4
18	7	***	5	1	2	1	4	5	5	2	1	1	2	3	4	4	5	6	8	10	12	11	10	10	5
19	9	14	15	14	12	11	11	12	11	10	***	***	***	***	***	0	1	2	2	3	2	2	2	3	7
20	5	3	2	2	3	3	6	6	3	2	2	1	1	2	3	3	4	2	2	1	1	1	1	0	2
21	0	0	0	0	0	0	4	12	10	6	3	1	2	2	3	5	6	4	3	5	6	5	9	10	4
22	12	15	23	31	27	22	30	63	50	25	16	7	4	3	3	4	12	12	7	10	7	8	11	10	17
23	5	3	3	2	3	4	7	9	7	6	6	6	7	8	8	6	7	8	5	4	4	4	5	4	5
24	2	3	3	3	3	5	9	12	12	8	7	6	5	6	7	8	7	7	9	14	12	11	11	11	8
25	9	9	8	7	6	6	8	12	14	20	19	11	9	10	10	10	10	11	11	14	15	18	20	20	12
26	20	17	19	16	14	14	***	***	***	***	2	***	3	4	5	5	6	7	7	8	8	8	8	8	9
27	7	9	9	12	14	15	18	22	20	20	***	***	***	***	***	4	5	4	3	3	3	3	3	4	10
28	3	3	2	2	3	3	4	5	6	6	6	6	8	9	9	8	9	12	12	12	12	15	12	6	7
29	6	6	5	4	4	6	7	9	9	9	9	6	5	5	6	6	8	7	9	12	11	9	10	9	7
30	7	5	6	6	6	7	15	24	22	18	19	14	14	***	***	***	***	***	***	***	***	***	***	***	***
MEAN	7	7	7	7	6	7	9	15	14	10	9	6	6	6	6	6	7	7	7	9	9	9	8	8	6

PERCENTAGE OF DATA VALID - 75

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - 67 COLLEGE ST TORONTO CAMST

NO 31001

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													DATA MISSING	DATA MISSING	DATA MISSING										
2													DATA MISSING	DATA MISSING	DATA MISSING										
3													DATA MISSING	DATA MISSING	DATA MISSING										
4													DATA MISSING	DATA MISSING	DATA MISSING										
5													DATA MISSING	DATA MISSING	DATA MISSING										
6													DATA MISSING	DATA MISSING	DATA MISSING										
7													DATA MISSING	DATA MISSING	DATA MISSING										
8	***	***	***	***	***	***	***	***	***	***	***	***	5	4	6	7	6	6	5	8	7	7	5	4	***
9	4	3	4	3	3	3	5	5	7	7	6	7	6	5	5	5	5	6	6	5	6	5	7	6	5
10	7	***	***	***	***	4	6	9	9	9	***	5	2	3	3	2	5	8	8	6	4	4	4	3	5
11	2	2	1	1	1	1	2	2	4	3	2	2	2	2	***	***	2	3	4	5	5	4	3	3	3
12	2	2	2	2	2	3	7	11	9	6	5	4	3	3	4	4	5	6	7	8	10	15	16	14	6
13	6	5	5	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
14	***	***	***	***	***	***	***	***	***	***	***	8	8	7	7	7	8	15	15	8	7	6	6	7	***
15	4	4	5	3	1	1	4	11	11	12	11	14	9	8	8	12	14	16	16	20	39	50	36	24	14
16	22	23	24	18	9	9	15	6	11	7	7	7	11	6	5	4	4	5	8	9	2	2	1	1	9
17	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	4	3	3	1	1	2	1	1
18	1	1	***	1	2	2	4	7	9	8	8	9	10	***	***	***	***	***	***	***	***	***	***	***	***
19													DATA MISSING	DATA MISSING	DATA MISSING										
20													DATA MISSING	DATA MISSING	DATA MISSING										
21													DATA MISSING	DATA MISSING	DATA MISSING										
22	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	6	15	9	9	9	12	11	9	12	***
23	12	9	6	4	4	4	3	5	6	3	2	2	2	2	2	2	2	2	3	4	3	2	1	1	4
24	1	1	2	2	1	1	0	0	0	0	0	1	1	1	0	1	0	0	0	1	0	0	0	0	1
25	1	1	1	1	1	2	3	5	7	9	10	5	5	5	5	5	5	6	4	5	4	3	2	2	4
26	***	***	1	1	1	2	3	5	9	7	4	4	4	4	4	7	8	4	4	4	3	2	3	1	4
27	***	***	0	0	1	2	5	7	5	4	3	3	5	4	6	6	6	4	4	3	4	9	8	1	4
28	***	1	1	1	1	3	10	16	9	4	3	3	5	4	4	5	7	15	24	14	12	27	22	7	9
29	***	0	1	1	1	3	9	18	22	16	5	5	5	5	4	5	7	8	9	10	6	6	6	5	7
30	***	6	8	5	4	3	5	7	20	18	17	23	15	16	12	11	11	9	8	5	4	4	3	3	9
31	***	2	1	1	0	0	1	1	2	3	3	4	4	5	6	7	9	5	5	5	4	3	3	3	3
MEAN	5	4	4	3	2	3	5	7	8	7	6	6	5	5	5	5	7	7	7	7	7	8	7	5	6

PERCENTAGE OF DATA VALID - 56

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTMAN													UNITS - PARTS PER HUNDREDMILLION													
STATION - 67 COLLEGE ST TORONTO OAMST													NO 31001													
MONTH NOV													71													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	****	1	1	1	2	4	6	15	15	9	10	10	8	4	6	10	15	19	28	34	32	17	8	5	11	
2	****	2	2	3	4	4	6	10	7	5	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
3	****	****	****	****	****	****	****	****	****	****	****	****	****	****	2	3	3	5	6	5	6	7	4	5	****	
4	****	3	2	1	2	1	2	5	8	7	5	3	2	2	3	3	3	5	5	5	5	6	8	9	4	
5	****	3	2	5	7	7	8	12	7	6	6	4	4	****	****	****	****	****	****	****	****	****	****	****	****	
6													DATA MISSING													
7	****	****	****	****	****	****	****	****	****	****	****	2	3	3	3	3	5	6	6	6	6	7	6	6	****	
8	****	3	4	5	4	3	5	7	11	9	7	5	****	****	3	4	5	6	12	14	12	18	11	7	7	
9	****	10	8	4	4	2	2	4	8	14	8	7	5	8	8	7	7	8	9	12	12	14	12	8	8	
10	****	6	5	4	4	4	5	9	10	9	7	8	8	5	7	6	6	6	6	7	6	6	5	4	6	
11	****	4	2	2	2	5	2	5	7	7	6	5	5	5	6	7	8	8	9	10	8	9	11	11	6	
12	****	7	7	5	5	6	7	15	22	23	19	10	5	4	4	5	5	6	6	10	15	22	15	12	10	
13	****	18	12	2	2	5	5	4	9	5	2	4	4	3	5	6	7	5	4	4	4	3	4	5	5	
14	****	2	2	2	2	2	3	3	2	2	3	4	4	4	4	5	5	6	5	6	5	5	6	6	4	
15	****	2	3	2	3	4	5	9	11	12	9	****	12	12	12	10	12	26	32	39	43	36	35	18	16	
16													DATA MISSING													
17													DATA MISSING													
18													DATA MISSING													
19													DATA MISSING													
20													DATA MISSING													
21													DATA MISSING													
22													DATA MISSING													
23													DATA MISSING													
24													DATA MISSING													
25													DATA MISSING													
26													DATA MISSING													
27													DATA MISSING													
28													DATA MISSING													
29													DATA MISSING													
30													DATA MISSING													
MEAN	****	5	4	3	3	4	5	8	10	9	7	6	5	5	5	6	7	9	11	13	13	13	10	8	7	
PERCENTAGE OF DATA VALID -		37																								

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTEMAN													UNITS - PARTS PER HUNDREDMILLION													
STATION - 67 COLLEGE ST TORONTO OAMST													NO 31001													
													MONTH DEC 71													
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
DAY																										
1													- DATA MISSING -													
2													- DATA MISSING -													
3													- DATA MISSING -													
4													- DATA MISSING -													
5													- DATA MISSING -													
6													- DATA MISSING -													
7													- DATA MISSING -													
8	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	14	17	18	17	12	14	9	8	5	****
9	****	6	4	4	3	4	6	10	18	20	14	9	9	12	19	19	16	12	9	7	6	5	5	5	10	
10	****	6	9	8	8	9	6	12	19	17	15	14	16	14	11	15	16	17	23	17	15	9	12	10	13	
11	****	17	10	9	7	7	8	12	16	14	12	14	12	14	14	11	11	12	12	11	4	****	****	****	11	
12													- DATA MISSING -													
13													- DATA MISSING -													
14													- DATA MISSING -													
15													- DATA MISSING -													
16	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	3	6	5	4	3	3	4	4	****	****
17	3	6	6	5	2	3	4	8	14	8	6	16	14	6	4	5	5	5	4	4	4	3	3	****	6	
18	4	3	2	2	2	1	2	2	3	3	3	3	3	2	3	3	3	4	4	5	5	5	5	****	3	
19	11	16	10	7	4	3	3	3	3	4	3	4	5	6	6	7	7	6	7	8	7	7	7	****	6	
20	3	3	3	3	3	4	5	7	10	11	11	12	14	15	16	16	18	16	15	15	12	12	12	9	10	
21	****	7	5	3	4	5	6	8	14	15	23	10	5	3	****	6	8	11	9	8	7	4	4	4	8	
22	****	2	2	2	3	3	5	7	9	9	8	7	7	6	7	8	8	9	16	19	19	20	15	8	9	
23	****	5	5	5	5	5	5	8	9	8	9	10	9	8	9	8	11	10	8	8	8	7	7	6	8	
24	****	****	5	3	2	2	5	4	5	5	6	6	7	6	6	5	5	6	4	3	1	1	1	1	4	
25	****	1	1	2	2	2	3	3	3	3	3	2	2	2	3	3	3	3	4	5	5	5	6	7	3	
26	4	5	6	7	9	10	10	11	12	9	10	19	18	10	5	5	4	4	5	5	4	4	4	4	8	
27	1	2	3	3	3	3	3	6	8	5	5	5	6	6	7	8	6	6	6	8	14	23	19	16	7	
28	4	4	3	2	1	2	1	4	7	8	8	7	7	5	5	6	7	7	6	5	5	4	5	4	3	
29	****	1	3	3	4	4	3	4	8	8	7	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
30													- DATA MISSING -													
31													- DATA MISSING -													
MEAN	4	6	5	4	4	4	5	7	10	9	9	9	9	8	8	8	9	9	9	8	8	8	7	7	7	
PERCENTAGE OF DATA VALID -		49																								

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - 67 COLLEGE ST TORONTO OAMST NO 31001

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	25	3	7	16
FEB	19	6	10	34
MAR	30	6	13	40
APR	22	7	12	28
MAY	31	7	14	37
JUN	29	9	17	44
JUL	22	5	9	25
AUG	30	4	11	28
SEP	26	8	17	63
OCT	21	6	14	50
NOV	14	7	16	43
DEC	18	7	13	23
YEAR	287	6	17	63

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNIT - PARTS PER HUNDREDMILLION

STATION - 67 COLLEGE ST TORONTO OAMST NO 31001

	00 TO 01	02 TO 03	04 TO 05	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	154	125	177	67	4	3	0	530
FEB	47	55	144	109	12	10	6	383
MAR	45	141	309	150	24	21	6	696
APR	6	63	233	128	29	16	7	482
MAY	88	105	179	176	46	37	19	650
JUN	32	65	187	170	54	99	34	641
JUL	50	83	163	95	18	13	1	423
AUG	167	165	176	94	20	28	4	654
SEP	23	90	162	137	55	57	17	541
OCT	82	81	130	75	16	23	12	419
NOV	5	52	108	61	18	15	12	271
DEC	11	73	119	88	25	52	3	371
YEAR	710	1098	2087	1350	321	374	121	6061

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
69	0	0.9	3.0	4.7	6.7	11.4	15.3	20.0	24.9	63	6.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0	1	1	1	1	1	2	1	....
2	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
4													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
5													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
6	....	....	....	....	....	....	....	....	....	....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	....
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	....	....	....	....	....	....	....	....	....	....
9													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
10													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
11													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
12													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
13													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
14													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
15													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
16													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
17													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
18													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
19													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
20	....	....	....	....	....	....	....	....	....	....	....	....	1	0	0	0	0	0	0	0	0	0	0	0	....
21	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	1
22	2	1	2	2	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
23													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
24													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
25	....	....	....	....	....	....	....	....	....	....	....	....	1	2	1	1	1	1	1	1	0	0	1	1	....
26	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0	0	0	0	....
27	0	0	3	3	3	4	5	5	5	4	5	5	4	4	4	4	4	4	4	3	3	3	3	4	
28	3	4	4	3	3	3	3	3	3	3	1	1	2	2	1	0	1	2	1	2	2	1	1	1	2
29	1	1	0	0	1	1	1	1	1	1	0	0	....	....	....	....	....	....	....	....	....	....	....	....	....
30													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
31													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
MEAN	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 24

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
2													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
3													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
4													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
5													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
6													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
7													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
8													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
9													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
10													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
11													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
12													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
13													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
14													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
15													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
16													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
17	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	5	5	5	5	5	5	5	5	****
18	4	4	4	3	3	3	3	6	8	8	7	5	4	2	2	2	1	2	2	1	1	1	1	1	3
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	****	****	****	****	****	****	****	****	****
20													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
21													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
22													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
23													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
24													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
25													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
26	****	****	****	****	****	****	****	****	****	****	****	****	1	1	1	1	1	1	1	2	2	2	2	1	****
27	1	0	0	0	0	0	0	0	0	0	0	0	0	****	****	****	****	****	****	****	****	****	****	****	****
28													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
29													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
30													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
31													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -									
MEAN	2	2	2	1	1	1	1	2	3	3	3	2	2	1	2	2	3	3	2	3	3	3	3	2	2

PERCENTAGE OF DATA VALID - 9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

MONTH APR 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19	****	****	****	****	****	****	****	****	****	****	****	****	1	2	1	1	2	2	2	1	1	1	2	2	****
20	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1
21	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	0	1	2	1	1	1	1	1	0	1	1	1	1
23	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	0
26	0	0	0	1	1	1	1	1	1	1	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30	****	****	****	****	****	****	****	****	****	****	****	2	2	3	3	2	2	3	3	4	3	3	3	3	****
MEAN	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 25

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

MONTH MAY 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	1	2	3	6	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
2	0	1	1	1	0	1	1	0	0	1	1	1	3	4	4	3	3	4	3	1	2	2	2	1	2
3	1	0	0	0	0	1	3	4	6	5	5	5	5	4	5	6	8	6	5	3	3	3	3	3	4
4	2	1	0	0	0	1	1	1	1	1	****	****	4	6	8	9	9	8	8	9	7	7	5	3	4
5	3	3	2	2	2	2	3	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	1	1	1	1	1	1	2	2	2	2	1	1	2	2	2	3	2	2	3	3	2	2	2	2	2
7	2	1	1	1	1	2	3	3	3	2	2	2	1	2	3	2	2	3	3	3	5	6	5	4	3
8	5	4	3	2	2	3	3	3	2	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2
9	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	****	****	****	****	****	****	****	1
10													- DATA MISSING -												
11													- DATA MISSING -												
12	****	****	****	****	****	****	****	****	****	****	****	****	****	1	2	4	3	4	3	3	2	1	1	1	****
13	1	0	0	1	1	1	3	4	4	4	3	2	1	1	1	1	1	1	1	0	0	0	2	3	2
14	3	1	1	1	1	3	8	8	7	6	5	5	5	9	11	10	10	11	11	13	14	12	9	7	7
15	6	13	19	16	12	11	7	5	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	0	4
16	1	1	0	0	0	1	0	1	1	1	2	2	2	2	2	2	2	3	3	4	5	5	4	3	2
17	2	1	0	0	0	1	4	4	3	1	1	1	1	2	2	2	2	1	1	1	0	0	0	1	1
18	0	0	0	0	0	0	0	0	1	1	1	1	****	1	1	1	2	1	1	1	1	1	1	1	1
19	2	3	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	2
20	4	3	3	2	3	2	2	3	3	3	2	3	3	3	2	3	3	3	3	2	2	2	1	1	3
21	1	1	1	1	1	1	1	1	1	1	1	****	12	14	13	12	11	10	10	8	10	7	4	3	5
22	3	3	2	2	3	5	8	7	6	7	6	5	5	5	5	5	5	5	6	6	5	6	7	5	
23	7	6	4	2	2	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	6	2
24	6	3	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	2	2	****	****	****	****	****	****	****	****	****	****	****	****
26													- DATA MISSING -												
27	****	****	****	****	****	****	****	****	****	****	****	0	1	1	0	1	1	1	1	1	1	1	1	1	****
28	1	0	0	0	0	0	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0
29	1	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	1	4	6	1
30	6	5	3	2	2	3	4	2	2	1	1	1	1	1	1	1	0	0	2	3	4	5	3	2	2
31	1	0	0	0	1	3	7	7	6	5	5	4	4	4	6	6	7	6	6	5	3	0	0	0	4
MEAN	2	2	2	2	2	2	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3

PERCENTAGE OF DATA VALID - 84

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	3	4	4	3	3	4	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	5	5	2
20	1	1	2	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	3	3	3	2	2	3	2	2	2	3	3	3	3	3	3	3	3	3	2
22	2	2	1	1	1	3	6	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
23	2	3	3	2	3	5	6	6	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
24	1	1	1	1	1	1	1	4	4	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1

PERCENTAGE OF DATA VALID - 28

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	3	2	1	2	2	2	3	4	7	6	3	6	6	6	7	9	12	9	7	6	5	4	6	5	5
7	3	2	2	2	2	4	9	9	6	5	5	6	5	5	6	8	10	10	9	8	7	6	6	5	6
8	3	2	2	2	2	2	3	5	5	4	3	2	2	2	1	2	1	2	4	4	4	4	6	5	3
9	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2	2	2	2	2
10	2	5	5	5	3	3	7	7	3	0	0	6	10	15	13	13	14	7	7	11	11	10	9	7	4
11	3	3	2	1	1	1	1	2	2	2	2	2	2	8	9	10	11	10	12	9	4	3	5	2	4
12	1	1	1	1	2	2	4	6	3	3	4	4	2	3	4	5	9	11	14	14	15	17	8	6	6
13	5	4	3	3	3	3	6	9	5	4	3	3	3	3	4	7	5	5	6	5	6	7	7	4	5
14	5	4	4	4	4	4	8	6	4	4	4	3	3	3	4	4	4	4	5	5	4	4	4	4	4
15	4	3	3	2	1	2	3	3	3	3	3	3	4	4	3	4	8	9	10	27	24	21	16	23	8
16	18	12	14	12	8	12	20	15	11	11	10	6	6	6	8	5	3	8	16	15	5	3	6	10	10
17	12	11	8	4	2	3	5	7	3	2	2	2	3	2	3	3	4	6	3	2	2	2	2	3	4
18	3	2	2	3	2	2	2	4	4	4	3	3	6	11	6	5	5	9	9	13	14	13	13	6	6
19	11	9	7	7	8	8	11	10	7	3	3	3	4	4	3	3	3	4	5	6	14	15	15	14	7
20	12	7	7	9	7	6	21	12	20	9	8	6	5	6	4	3	3	3	3	6	8	19	20	19	16
21	13	11	8	7	6	8	20	28	16	11	8	5	4	3	3	3	3	4	5	6	7	10	11	9	9
22	7	5	5	5	4	5	4	3	4	9	7	7	5	3	3	4	8	8	8	7	8	10	10	11	6
23	8	8	7	6	6	6	7	9	10	7	7	9	7	5	6	3	6	6	10	11	9	9	12	10	8
24	14	13	10	5	4	3	3	4	4	1	2	2	2	2	3	3	2	1	1	1	1	1	1	1	4
25	1	1	1	1	2	2	2	3	5	6	7	6	5	6	6	5	0	10	8	8	8	8	9	8	5
26	6	4	4	4	4	5	14	18	11	4	4	4	4	4	4	4	5	6	5	4	5	5	5	5	6
27	4	3	3	3	3	9	6	8	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4	5	4
28	3	2	1	2	3	3	4	14	16	12	11	12	7	12	12	6	6	8	9	18	26	20	14	10	10
29	8	5	5	4	6	10	26	34	21	11	3	2	1	1	2	4	6	14	17	17	7	13	19	19	11
30	14	9	7	6	5	7	9	13	11	8	8	8	6	5	3	2	2	5	7	8	3	1	1	1	6
31	1	1	1	1	1	1	2	1	1	2	2	3	3	4	5	6	7	4	6	8	8	14	10	7	4
MEAN	6	5	4	4	4	4	8	10	7	5	5	5	4	5	5	5	5	6	8	8	8	9	8	8	6

PERCENTAGE OF DATA VALID - 84

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - PHARMACY AND 401 TORONTO

NO 33002

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	13	1	4	5
FEB		DATA MISSING		
MAR	5	2	3	8
APR	9	1	1	4
MAY	28	3	7	19
JUN	10	1	2	6
JUL		DATA MISSING		
AUG		DATA MISSING		
SEP		DATA MISSING		
OCT	27	6	11	34
NOV	30	5	9	25
DEC	31	6	17	37
YEAR	153	4	17	37

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNIT - PARTS PER HUNDREDMILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	134	31	17	0	0	0	0	182
FEB	DATA MISSING							
MAR	42	12	15	3	0	0	0	72
APR	156	23	1	0	0	0	0	180
MAY	299	198	82	31	12	4	0	626
JUN	149	41	13	0	0	0	0	203
JUL	DATA MISSING							
AUG	DATA MISSING							
SEP	DATA MISSING							
OCT	47	173	195	123	40	40	11	629
NOV	64	271	231	100	28	13	2	709
DEC	37	195	273	109	58	49	17	738
YEAR	928	944	827	366	138	106	30	3339

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
56	0	0.4	1.2	2.6	4.4	8.9	12.2	16.0	19.6		37	4.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALT2MAN

UNITS - PARTS PER HUNDREDMILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22	****	****	****	****	****	****	****	****	****	****	****	****	1	2	2	2	2	3	3	6	6	7	10	7	****
23	7	****	4	4	5	5	6	10	9	3	2	2	1	1	1	1	1	2	2	2	2	2	2	2	3
24	****	1	1	1	1	1	2	3	4	4	2	2	2	2	2	2	3	3	2	3	3	3	4	5	2
25	****	4	4	3	2	2	2	4	5	3	4	3	2	2	1	0	0	0	0	0	0	0	0	0	2
26	0	1	2	2	5	6	6	9	10	11	10	11	10	****	8	7	4	4	4	3	3	3	4	4	6
27	5	8	8	9	7	6	3	3	3	1	1	1	1	1	2	2	1	2	3	4	5	7	****	****	4
28																									
29																									
30																									
31																									
MEAN	4	4	4	4	4	4	4	6	6	4	4	4	3	2	3	2	2	2	2	3	3	4	4	4	3

PERCENTAGE OF DATA VALID - 16

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALT2MAN

UNITS - PARTS PER HUNDREDMILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14	****	****	****	****	****	****	****	****	****	****	****	****	0	0	4	2	0	0	0	1	2	3	5	6	****
15	****	11	12	12	14	12	14	14	11	4	2	1	2	1	1	1	2	1	2	3	3	3	1	2	6
16	****	4	1	0	0	0	0	1	1	1	1	0	1	1	1	1	1	0	0	1	2	2	2	1	1
17	0	0	0	0	0	1	2	2	****	****	****	****	0	0	0	0	2	1	2	2	1	1	2	2	1
18	****	4	4	3	0	1	4	0	1	1	1	1	2	0	4	4	4	1	1	2	0	1	0	2	2
19	0	0	1	1	1	1	2	1	2	1	1	1	1	1	0	0	0	1	2	2	4	3	1	0	1
20	****	0	0	0	0	1	2	****	****	1	0	1	1	1	1	0	1	0	1	1	0	0	0	1	1
21	****	1	1	0	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
22	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	0
23	****	2	0	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
24	****	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN	0	2	2	2	2	2	3	3	3	1	1	1	1	0	1	1	1	0	1	1	1	2	1	2	1

PERCENTAGE OF DATA VALID - 28

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA MISSING		
FEB		DATA MISSING		
MAR	6	3	6	11
APR		DATA MISSING		
MAY	11	1	6	14
JUN	5	3	4	8
JUL	19	3	5	10
AUG	24	2	6	15
SEP	16	3	4	13
YEAR	81	3	6	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNIT - PARTS PER HUNDREDMILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN		DATA MISSING						
FEB		DATA MISSING						
MAR	29	50	28	17	2	0	0	126
APR		DATA MISSING						
MAY	154	35	13	0	5	3	0	210
JUN	16	34	25	1	0	0	0	76
JUL	164	106	96	27	0	0	0	393
AUG	197	158	112	18	2	1	0	488
SEP	100	146	86	14	3	0	0	349
YEAR	660	529	360	77	12	4	0	1642

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
37	0	0.2	0.7	1.5	2.8	5.0	6.3	8.5	9.9	15	2.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - D.O.H. BATHURST & WILSON

NO 34007

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	0	0	0	0	0	1	2	1	0	0	0	0	0	1	0	0	2	3	2	2	3	3	1
2	5	3	4	3	3	3	6	10	10	10	3	2	2	3	3	3	4	4	5	8	7	4	4	3	5
3	2	2	2	2	2	2	2	3	4	3	2	2	2	2	1	1	2	2	2	2	2	2	1	1	2
4	1	0	0	0	0	1	0	1	2	1	1	1	1	1	1	2	2	2	2	2	2	3	3	2	1
5	2	2	2	2	2	2	3	6	26	19	7	3	3	3	3	5	8	10	15	15	11	12	19	38	9
6	35	32	27	22	14	9	12	20	22	18	15	14	14	13	13	13	13	13	10	7	5	4	3	3	15
7	3	3	3	3	2	3	3	3	3	4	4	5	5	5	5	6	6	6	4	4	4	4	4	4	4
8	3	2	1	1	1	1	1	2	2	2	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2
9	2	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	2	3	4	4	4	6	6	12	3
10	7	6	6	7	8	16	14	30	51	38	26	14	13	13	14	14	19	20	17	12	9	11	12	16	
11	10	6	4	2	1	1	1	1	2	2	1	1	2	2	2	2	3	3	6	9	10	11	8	6	4
12	5	6	6	5	5	4	5	9	13	16	13	15	13	11	9	36	51	61	55	48	48	43	30	22	22
13	25	15	8	7	7	7	6	5	13	22	13	6	6	5	6	16	10	14	33	35	32	29	23	25	15
14	25	29	29	25	17	13	10	13	13	10	12	14	14	18	19	18	21	20	23	27	30	30	29	31	20
15	26	25	16	13	9	9	9	17	18	15	13	14	****	****	****	****	****	****	****	****	****	****	****	****	****
16													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
17													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
18													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
19													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
20													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
21													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
22													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
23													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
24													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
25													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
26													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
27													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
28													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
29													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
30													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
31													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -
MEAN	10	9	7	6	5	5	5	8	12	11	8	6	6	6	6	9	10	11	13	13	12	12	10	12	9

PERCENTAGE OF DATA VALID - 46

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - D.O.H. BATHURST & WILSON

NO 34007

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	14	10	30	76
FEB	28	10	32	73
MAR	15	9	22	61
YEAR	57	10	32	76

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNIT - PARTS PER HUNDREDMILLION

STATION - D.O.H. BATHURST & WILSON

NO 34007

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	39	48	27	23	26	23	32	218
FEB	90	123	105	91	46	84	91	630
MAR	59	102	52	32	27	35	41	348
YEAR	188	273	184	146	99	142	164	1196

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
55	0	0.6	2.1	5.2	11.7	23.4	30.4	46.1	55.0	76	9.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	8	*****	*****	*****	5	5	4	5	*****
11	*****	*****	*****	*****	*****	*****	*****	5	6	4	3	2	2	1	*****	1	4	5	6	2	3	2	2	2	3
12	2	1	1	1	1	1	1	1	1	1	1	2	2	2	*****	3	4	5	8	5	2	2	3	2	2
13	2	2	1	1	1	2	3	3	3	2	2	2	2	1	*****	2	2	2	2	1	1	0	0	0	2
14	0	0	0	0	0	1	3	4	3	3	1	1	1	1	*****	2	5	8	6	7	10	11	9	7	4
15	5	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
16													- DATA MISSING -												
17	2	2	*****	3	3	5	5	6	6	6	5	3	*****	*****	1	0	0	1	2	2	*****	*****	2	1	3
18	2	1	*****	2	3	5	6	6	4	3	3	2	2	1	1	1	2	3	2	*****	2	3	*****	4	3
19	3	3	*****	3	3	3	3	3	3	3	2	2	*****	*****	*****	*****	2	4	5	*****	*****	*****	3	*****	2
20	3	*****	3	3	2	2	2	2	2	2	0	0	0	0	0	1	2	3	3	4	*****	*****	*****	*****	2
21													- DATA MISSING -												
22													- DATA MISSING -												
23													- DATA MISSING -												
24													- DATA MISSING -												
25													- DATA MISSING -												
26													- DATA MISSING -												
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
MEAN	2	2	1	2	2	3	3	4	4	3	2	2	2	1	1	1	3	4	4	4	4	4	3	3	3

PERCENTAGE OF DATA VALID - 22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	10	12	24	43
FEB	23	12	29	57
MAR	5	10	16	27
APR		DATA MISSING		
MAY		DATA MISSING		
JUN	9	7	9	18
JUL		DATA MISSING		
AUG		DATA MISSING		
SEP	10	3	4	11
OCT		DATA MISSING		
YEAR	57	10	29	57

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNIT - PARTS PER HUNDREDMILLION

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	16	23	41	29	10	28	35	182
FEB	24	44	93	97	46	97	70	471
MAR	4	8	25	21	8	10	11	87
APR		DATA MISSING						
MAY		DATA MISSING						
JUN	2	17	68	58	13	3	0	161
JUL		DATA MISSING						
AUG		DATA MISSING						
SEP	45	81	31	7	1	0	0	165
OCT		DATA MISSING						
YEAR	91	173	258	212	78	138	116	1066

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
29	0	1.2	3.7	6.2	10.4	21.6	26.4	34.0	39.1	57	9.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	7	4	3	2	2	***	2	4	7	5	6	10	5	4	4	5	4	4	4	8	12	12	12	6
2	11	8	6	4	3	3	***	***	3	8	***	2	1	1	1	1	2	2	2	1	1	2	3	5	3
3	4	2	1	0	1	***	1	0	0	***	***	***	***	***	***	0	2	2	4	4	2	2	2	1	2
4	1	1	1	1	0	1	2	3	3	3	3	3	2	2	3	4	5	3	3	2	1	2	2	3	2
5	3	2	1	0	***	2	2	2	3	3	3	2	2	2	2	1	1	1	2	1	0	0	0	0	2
6	0	0	0	1	***	1	2	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2
7	1	0	***	1	2	2	2	2	2	2	1	1	2	2	2	1	1	1	1	1	2	2	2	2	2
8	3	4	5	4	5	6	5	***	***	***	***	***	***	2	2	3	6	5	5	4	4	3	2	2	4
9	1	1	1	0	***	0	1	2	2	2	1	1	0	2	2	1	0	0	0	0	0	***	0	0	1
10	3	4	3	3	2	1	1	1	0	0	0	2	2	3	3	4	5	5	6	6	6	5	4	4	3
11	3	3	2	2	***	2	3	4	4	4	4	4	3	2	1	2	2	3	3	4	3	2	2	3	3
12	3	4	4	4	2	***	1	1	1	1	1	2	2	2	1	1	3	3	3	4	4	3	3	2	2
13	1	1	1	1	***	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
14	1	1	1	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
20													- DATA MISSING -												
21													- DATA MISSING -												
22													- DATA MISSING -												
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26													- DATA MISSING -												
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
MEAN	3	3	2	2	2	2	2	2	2	3	2	3	3	2	2	2	3	3	3	3	3	3	3	3	3

PERCENTAGE OF DATA VALID - 40

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - MACDONALD GDNS. OTTAWA

NO 51001

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	13	4	9	22
FEB	28	5	8	22
MAR	13	4	10	19
APR	24	3	11	34
MAY	3	8	9	18
JUN	17	3	5	20
JUL	13	3	4	10
AUG	27	3	6	19
SEP	14	3	6	12
OCT		DATA MISSING		
NOV		DATA MISSING		
DEC		DATA MISSING		
YEAR	152	4	11	34

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNIT - PARTS PER HUNDREDMILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	16	100	97	33	6	2	1	255
FEB	80	150	206	118	12	12	1	579
MAR	73	46	53	47	2	7	0	228
APR	152	215	58	4	1	5	5	440
MAY	0	7	13	14	3	7	0	44
JUN	79	134	76	29	3	5	0	326
JUL	77	55	39	13	0	0	0	184
AUG	171	211	114	55	9	2	0	562
SEP	90	138	52	7	4	0	0	291
OCT		DATA MISSING						
NOV		DATA MISSING						
DEC		DATA MISSING						
YEAR	738	1056	708	320	40	40	7	2909

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
44	0	0.4	1.2	2.2	3.8	7.0	8.7	11.4	15.2	34		3.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - MEMORIAL PK,CORNWALL

NO 56051

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
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7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
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13													- DATA MISSING -												
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16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
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24													- DATA MISSING -												
25													- DATA MISSING -												
26													- DATA MISSING -												
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30	****	****	****	****	4	4	4	4	5	5	5	5	5	5	5	5	****	****	****	****	****	****	****	****	****
31	****	****	4	4	4	4	4	4	4	4	4	5	5	5	5	5	****	****	****	****	****	****	****	****	****
MEAN	****	****	4	4	4	4	4	4	5	5	5	5	5	5	5	5	****	****	****	****	****	****	****	****	5

PERCENTAGE OF DATA VALID - 3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - MEMORIAL PK,CORNWALL

NO 56051

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	****	****	****	****	****	4	4	3	2	2	1	1	2	1	1	2	2	3	2	****	****	****	****	****
2	****	****	****	****	****	****	****	****	****	****	****	-	DATA MISSING	1	0	1	1	1	0	0	2	3	2	3	****
3	3	4	4	5	6	6	4	4	3	2	0	4	4	5	5	4	3	3	3	4	4	3	3	2	4
4	****	****	****	****	****	2	3	4	4	3	3	3	3	5	1	2	2	2	1	2	****	****	****	4	3
5	4	4	3	3	3	3	3	2	1	1	1	2	2	2	2	1	1	****	****	****	****	3	4	2	
6	3	4	4	3	4	3	3	2	1	****	****	****	****	****	****	****	****	4	4	4	4	4	5	4	4
7	4	3	3	3	3	2	1	2	4	4	4	4	2	3	2	****	****	****	****	****	****	****	****	****	
8	****	****	****	****	****	****	****	****	****	****	****	****	DATA MISSING	****	****	2	2	3	2	3	2	1	1	****	****
9	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	2	2	3	2	3	2	1	1	****	****
10	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	2	2	3	2	3	2	1	1	****	****
11	****	3	3	3	3	3	4	4	4	3	3	3	3	4	3	3	4	10	6	8	8	3	3	4	
12	1	****	****	****	3	3	4	5	6	5	5	****	2	3	3	2	3	3	2	6	6	8	6	4	
13	3	3	3	3	3	3	2	2	3	3	3	3	2	2	3	3	1	2	2	2	2	2	1	1	2
14	****	****	****	****	****	****	****	****	****	****	****	****	DATA MISSING	****	****	****	****	****	****	****	****	****	****	****	****
15	****	****	****	****	****	****	****	****	****	****	****	****	DATA MISSING	****	****	****	****	****	****	****	****	****	****	****	****
16	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	2	2	2	5	6	6	3	2	2	****
17	****	8	16	11	9	6	4	5	4	3	3	4	4	3	3	4	4	5	5	5	3	4	3	1	5
18	2	1	1	2	2	****	****	****	****	4	3	4	3	4	4	5	4	4	3	3	2	2	2	2	3
19	2	2	1	1	****	****	****	****	****	2	3	3	2	3	3	4	4	6	6	4	3	2	1	1	3
20	1	2	2	3	4	4	3	4	4	4	5	5	5	4	4	4	4	4	4	4	4	4	4	3	4
21	2	2	2	1	1	2	2	2	3	3	2	2	2	2	1	2	1	0	0	0	3	4	5	4	2
22	4	4	4	3	2	2	3	****	****	****	****	****	****	****	****	****	****	3	1	1	****	****	****	****	****
23	2	2	1	1	0	0	0	1	3	2	1	1	1	****	****	****	3	3	4	4	4	2	1	1	2
24	1	1	2	2	2	2	2	2	3	3	2	2	3	3	3	3	3	4	5	6	3	4	5	16	3
25	10	4	2	4	4	3	4	5	5	6	7	8	****	****	2	2	0	1	1	1	4	2	2	2	4
26	2	2	1	1	1	2	5	4	6	7	6	6	6	3	2	2	2	3	****	2	2	2	2	1	3
27	0	1	3	3	2	2	3	4	3	3	3	4	4	4	4	5	5	5	9	3	2	3	2	3	
28	2	2	2	3	3	3	4	3	2	2	4	3	1	1	1	2	1	0	0	1	1	1	1	2	2
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	2	3	3	4	3	3	3	3	3

PERCENTAGE OF DATA VALID - 68

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9	****	****	****	****	****	****	****	1	2	2	1	2	2	2	2	3	3	2	1	1	1	1	1	****	2
10	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	2	2	2	1	****	2
11	1	****	****	****	****	****	****	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	****	2
12	5	6	6	5	4	4	5	7	5	2	2	2	2	2	2	2	2	2	2	2	2	3	4	****	2
13	2	2	1	1	1	1	1	1	1	****	****	2	0	0	0	0	1	1	1	2	2	3	4	****	3
14	****	1	2	1	1	1	2	2	2	2	2	2	0	0	0	0	3	5	5	4	5	5	5	4	2
15	****	3	3	3	3	3	4	4	3	****	3	3	3	2	2	2	3	3	3	3	2	2	2	2	2
16	****	1	1	1	1	2	4	3	3	3	2	2	2	2	2	2	3	2	2	3	3	3	3	3	3
17	1	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	2	2	3	2
18	****	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	1	1
19	****	0	0	1	0	0	2	2	2	1	1	2	2	****	1	0	0	0	0	****	0	0	1	2	1
20	****	1	1	1	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	3	6	5	4
21	****	5	3	3	3	4	4	5	4	3	3	3	3	3	3	3	3	2	2	2	6	5	5	4	4
22	****	1	1	1	1	1	3	3	2	3	3	2	2	2	2	2	2	2	2	2	2	1	1	2	2
23	****	1	1	1	0	1	3	4	3	2	1	1	****	1	1	2	2	2	2	1	0	0	0	0	1
24	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	7	7	5	1
25	****	12	6	7	5	4	5	4	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
26	****	0	0	0	0	0	0	0	2	2	2	2	1	2	3	2	2	2	2	1	1	2	1	1	1
27	****	2	0	0	****	0	2	2	2	2	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1
28	****	0	0	0	****	0	2	2	2	2	3	2	2	2	2	3	4	2	1	0	0	0	0	2	1
29	2	2	1	0	****	1	2	3	2	1	1	2	1	1	1	1	2	2	0	1	2	1	1	****	1
30	****	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1
31	****	0	0	0	0	2	3	3	3	3	2	2	2	1	0	0	0	0	0	0	0	1	1	1	1
MEAN	2	2	1	1	1	1	2	2	2	2	2	2	2	2	1	2	2	2	1	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 67

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	1	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0
2	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	1	1	2	3	2	0	0	0
3	0	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
20													- DATA MISSING -												
21													- DATA MISSING -												
22													- DATA MISSING -												
23													- DATA MISSING -												
24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	****
26	****	****	****	****	****	****	****	1	2	2	2	2	2	****	****	****	****	****	****	****	1	1	****	1	****
27	1	1	****	1	****	****	****	****	1	1	1	1	1	****	****	****	****	****	****	****	****	****	****	****	****
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
31													- DATA MISSING -												
MEAN	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH SEP 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA MISSING -													
2												- DATA MISSING -													
3												- DATA MISSING -													
4												- DATA MISSING -													
5												- DATA MISSING -													
6												- DATA MISSING -													
7												- DATA MISSING -													
8												- DATA MISSING -													
9												- DATA MISSING -													
10	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	1	1	1	2	2	2	***	1	***	***
11	***	***	***	***	***	***	***	***	***	***	1	1	***	***	***	***	***	***	***	***	***	***	***	***	***
12												- DATA MISSING -													
13												- DATA MISSING -													
14	***	***	***	***	***	***	***	***	***	***	2	***	***	***	***	***	***	***	***	***	***	***	***	***	***
15	***	***	***	***	***	***	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
16	***	***	***	***	***	***	1	***	***	***	***	***	***	1	0	1	1	0	1	1	1	2	2	1	***
17	1	0	2	1	0	1	2	4	5	3	***	1	***	1	***	2	***	***	***	***	***	1	***	***	***
18	***	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	1	1	0	***	***	***	***
19	***	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	0	1
20	***	***	***	***	1	***	1	1	***	***	0	0	1	1	1	***	1	0	***	***	***	1	0	***	***
21	0	***	***	***	***	***	1	1	1	2	1	0	0	0	1	1	1	1	2	3	1	1	1	***	1
22	***	***	***	***	0	***	1	1	1	1	1	1	3	3	3	2	1	2	2	2	1	1	1	1	1
23	***	***	***	***	***	***	***	***	***	***	***	***	***	***	0	***	***	***	***	***	***	***	***	***	***
24	***	***	***	***	0	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	1	1	***
25	1	2	2	2	2	1	1	3	3	2	0	***	1	0	1	1	1	1	1	1	1	1	2	***	1
26	3	3	2	2	2	2	2	1	1	1	1	1	0	***	***	1	0	1	4	4	3	3	3	***	2
27	0	***	***	***	***	1	2	2	3	3	3	2	***	2	2	3	3	2	3	5	4	3	3	***	3
28	1	1	0	0	***	***	2	2	3	3	2	***	***	***	***	***	***	***	***	***	***	***	***	***	***
29	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	1	1	1	***	***
30	1	1	***	***	***	1	1	1	3	2	2	2	2	2	2	3	4	4	4	4	3	2	2	***	2
MEAN	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	1	1	2	2	2	2	2	1	1

PERCENTAGE OF DATA VALID - 29

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH OCT 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	***	***	***	1	1	2	1	2	2	1	1	1	2	2	3	3	3	3	3	3	3	***	2
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	***	***	***	***	***	***	***	***	***	***
3	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***	1	1	***	1	0	1	1	0	***	***
4	***	***	***	***	***	1	1	2	2	1	1	1	1	1	1	2	3	2	2	3	3	2	2	***	2
5	1	1	***	***	***	***	***	1	1	1	1	1	***	***	***	***	***	***	***	***	***	***	***	***	***
6	1	1	***	***	***	***	***	1	1	1	1	1	***	***	1	1	1	0	1	1	1	2	2	***	1
7	2	3	3	3	2	2	3	4	3	3	3	2	2	2	3	4	5	5	4	4	3	3	3	***	3
8	1	1	1	1	1	1	2	2	3	3	4	4	3	3	3	3	3	3	2	2	2	1	1	***	2
9	2	2	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
10	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1
11													- DATA MISSING -												
12													- DATA MISSING -												
13	***	***	***	***	***	***	***	***	***	***	***	***	2	2	2	2	3	1	1	1	1	1	0	***	***
14	1	1	0	0	1	1	2	2	2	1	1	1	1	2	2	2	3	5	3	1	1	1	1	***	2
15	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	***	2
16	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	***	2
17	1	1	1	1	1	1	1	2	3	3	3	2	3	3	3	***	***	***	***	***	***	***	***	***	***
18	1	1	1	1	1	1	2	3	3	3	3	2	3	3	3	***	***	***	***	***	***	***	***	***	***
19	***	***	***	***	***	***	***	***	***	***	***	***	***	***	7	7	7	9	11	10	5	4	3	***	***
20	2	2	2	2	3	3	5	6	6	5	5	4	2	4	4	4	5	5	5	6	4	5	5	***	4
21	4	3	0	1	1	1	2	3	2	1	1	1	1	1	2	2	2	2	1	1	1	1	1	***	2
22	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	3	3	2	2	2	***	1
23	3	2	1	1	1	1	2	2	2	1	1	2	2	2	2	2	4	4	5	4	3	2	2	***	2
24	1	1	1	1	1	1	2	2	3	***	***	***	1	1	1	2	2	2	2	2	2	1	1	***	2
25	1	1	1	0	0	1	1	2	2	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
26													- DATA MISSING -												
27	***	0	1	1	1	1	2	3	3	3	2	2	2	2	2	3	3	3	3	2	2	2	2	1	2
28	0	0	1	0	0	0	1	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	***	1
29	***	1	1	1	0	1	2	3	2	1	1	1	1	1	2	2	2	3	3	2	2	2	2	***	2
30	***	1	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	***	1
31	***	2	3	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	2	2	2	2	2	2	1	2	2	2	3	3	3	2	2	2	2	1	2

PERCENTAGE OF DATA VALID - 71

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - NITROGEN OXIDES -SALTZMAN

UNITS - PARTS PER HUNDREDMILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH NOV 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	1	1	0	0	0	1	1	2	1	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****
2	****	****	0	0	0	0	0	1	3	3	1	1	1	1	****	****	****	****	****	****	****	****	****	****	****
3																									
4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
5	****	3	2	3	2	2	2	3	3	3	3	3	3	3	3	****	****	****	****	****	****	****	****	****	****
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
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23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	****	2	1	1	1	1	1	2	3	2	2	2	2	2	3	1	1	1	1	1	1	1	2	****	2

PERCENTAGE OF DATA VALID - 6

ONTARIO MINISTRY OF THE ENVIRONMENT AIR MANAGEMENT BRANCH

POLLUTANT CARBON MONOXIDE

UNITS PARTS PER MILLION

STATION VICTORIA ST SARNIA OAMST

NO 14049

MONTH JAN 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	1	4	3	2	2	1	3	2	3	3	3	2	1	2	2	1	1	1	2	2	3	3	3	2
2	2	2	3	3	3	2	2	2	2	1	2	2	1	2	2	2	2	2	2	2	3	1	2	1	2
3	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	3	2	1	1	2	3	3	1	3	4	2	***	***	***	***	***	***	2
5	***	***	***	***	***	***	***	***	***	***	***	2	2	2	2	2	2	2	2	2	2	2	2	2	***
6	1	1	1	1	1	1	1	1	1	0	0	1	2	2	2	3	4	4	4	1	1	2	2	2	2
7	2	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	2	2	2	1	1
8	2	3	2	2	2	2	2	2	3	3	3	3	5	3	3	4	5	10	8	5	5	6	6	9	4
9	8	7	7	6	6	5	6	6	6	5	5	6	7	8	9	9	9	7	8	8	9	9	9	10	7
10	10	9	8	7	5	4	4	4	4	4	4	4	3	1	1	2	1	1	2	2	3	5	4	4	4
11	5	5	4	4	4	3	3	4	5	4	6	2	1	0	2	2	2	2	2	2	1	1	1	1	3
12	1	1	2	2	1	1	1	0	0	1	0	0	1	0	0	0	0	5	6	3	3	3	3	3	2
13	2	2	2	2	1	1	1	1	2	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	1
14	2	2	2	2	3	3	3	3	3	3	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	3	3	3	3	4	1	0	0	0	1	0	1	4	5	5	5	4	5	6	6	6	3
16	5	5	5	4	4	4	4	4	4	3	3	3	3	4	5	5	6	5	4	2	3	3	3	4	4
17	3	2	2	2	2	1	1	1	1	0	0	0	0	1	1	5	6	5	4	2	3	3	3	3	4
18	1	1	0	0	0	0	0	0	0	1	1	1	2	2	2	2	4	5	4	3	3	3	3	3	1
19	2	2	1	1	0	0	0	0	0	0	0	0	1	2	2	2	3	5	4	3	3	3	3	3	2
20	4	4	4	4	4	4	4	4	4	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
21	0	0	0	0	0	1	1	1	1	0	0	1	0	1	1	1	2	2	1	1	1	2	2	2	2
22	2	2	2	2	2	2	3	4	4	2	1	2	3	4	3	3	3	3	3	3	4	5	5	5	3
23	5	5	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
24	2	2	1	1	1	1	1	2	4	3	3	3	3	4	4	5	5	6	6	6	6	6	6	6	4
25	5	4	5	4	4	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4
26	4	4	5	5	5	5	5	4	2	***	2	2	2	2	1	1	1	3	3	3	3	3	3	3	3
27	3	3	3	3	3	3	3	2	2	1	0	0	0	1	1	1	2	3	2	1	1	1	1	1	2
28	0	0	1	1	1	1	1	0	1	1	0	0	1	1	1	0	0	1	2	1	1	1	1	1	1
29	1	1	2	2	1	0	0	0	0	0	1	2	2	2	2	2	3	3	3	3	4	3	3	3	2
30	3	3	2	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3
31	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
MEAN	1	1	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2

PERCENTAGE OF DATA VALID 96

ONTARIO MINISTRY OF THE ENVIRONMENT AIR MANAGEMENT BRANCH

POLLUTANT CARBON MONOXIDE

UNITS PARTS PER MILLION

STATION VICTORIA ST SARNIA OAMST

NO 14049

MONTH FEB 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	***	***	***	***	***	***	1	1	2	2	2	2	2	2	2	2	2	2	1
2	1	2	2	2	1	1	1	1	2	0	0	0	0	0	1	1	3	2	2	3	3	3	3	3	2
3	3	2	3	3	2	2	2	3	3	2	1	1	1	1	1	2	3	5	6	5	5	4	4	4	3
4	4	4	4	4	4	4	4	4	4	4	***	1	1	1	1	1	1	3	3	3	3	3	3	3	3
5	2	2	2	3	3	3	3	3	3	1	0	0	1	1	1	0	1	1	2	3	3	3	3	3	2
6	3	5	5	4	4	4	4	5	5	4	4	4	4	4	4	4	4	5	***	***	***	***	***	***	4
7													DATA MISSING												
8	6	6	6	5	5	5	5	5	5	***	3	3	3	3	3	3	3	3	3	2	3	3	3	2	4
9	2	2	2	2	2	2	2	2	2	1	***	1	4	3	3	2	2	2	2	2	1	1	1	1	2
10	1	2	2	1	1	1	1	1	0	1	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***
11	***	***	***	***	***	***	***	***	***	2	4	5	***	***	***	***	***	***	***	***	***	***	***	***	***
12	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	6	6	4	3	3	2	2	3	***
13	2	1	1	1	0	0	0	0	1	0	0	0	1	2	2	2	3	3	2	1	1	1	1	1	1
14	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	1	1	1	1	1
15	0	0	0	0	0	0	0	1	1	2	2	2	1	1	1	2	4	5	4	4	4	3	4	3	2
16	2	2	2	2	2	2	2	2	3	2	***	1	2	2	2	0	1	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	1	4	6	6	5	5	4	3	3	2
19	2	2	2	2	2	2	2	2	3	3	1	1	1	1	2	2	2	2	2	2	3	3	3	3	2
20	***	***	***	***	***	***	***	***	***	4	4	4	3	4	4	4	4	3	***	***	***	***	***	***	***
21	***	***	***	***	***	***	***	***	***	***	***	***	1	1	***	***	***	1	***	***	***	***	1	2	***
22	***	***	***	***	***	***	***	***	***	***	***	***	3	3	3	3	3	3	3	3	3	3	3	3	***
23	4	4	4	3	4	3	2	1	1	1	1	0	1	1	2	2	2	3	3	***	***	***	***	***	2
24	***	***	***	***	***	***	***	***	***	3	5	6	DATA MISSING												***
25	***	***	***	***	***	***	***	***	***	***	***	***	4	5	5	5	5	5	2	2	2	2	2	2	***
26	***	***	***	***	***	***	***	***	***	***	***	***	DATA MISSING												***
27	***	***	***	***	***	***	***	***	***	***	***	***	DATA MISSING												***
28	***	***	***	***	***	***	***	***	***	***	***	***	DATA MISSING												***
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2

PERCENTAGE OF DATA VALID 64

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - VICTORIA ST SARNIA OAMST

NO 14049

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	0	0	1	1	1	2	2	4	2	***	2	1	1	1	2	6	8	7	5	***	***	***	2
2	***	***	***	***	***	***	***	***	***	3	3	3	4	4	4	***	***	***	***	***	***	***	***	***	***
3	***	***	***	***	***	***	***	***	***	***	***	***	***	***	0	1	0	4	5	2	2	4	4	4	***
4	4	4	3	3	3	3	3	4	***	1	1	2	***	***	***	6	7	5	5	7	6	7	4	4	4
5	7	7	6	5	4	6	4	5	5	4	2	1	3	1	1	0	1	3	1	2	4	2	3	5	3
6	2	3	4	4	3	6	5	4	3	3	6	5	3	6	7	8	7	6	4	4	4	4	4	4	5
7	3	3	2	2	2	2	2	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	3
8	2	2	2	2	3	2	3	4	5	4	4	***	4	4	5	5	6	5	5	5	4	4	4	4	4
9	3	3	3	3	4	5	5	6	7	***	4	5	6	6	6	6	7	5	4	3	2	1	2	2	4
10	2	2	3	2	3	3	3	4	4	1	1	2	2	2	2	0	2	4	3	3	2	2	3	2	2
11	2	2	1	1	0	0	0	1	2	2	4	5	4	2	5	5	6	6	4	4	6	7	7	6	3
12	4	5	3	3	4	4	6	5	5	4	4	4	2	4	5	5	6	7	5	7	8	11	12	9	6
13	9	5	3	3	3	2	2	3	4	3	3	4	3	3	3	5	4	2	3	5	6	5	2	3	4
14	2	2	1	1	1	1	1	1	1	1	1	3	2	2	3	3	2	3	3	2	3	3	3	3	2
15	2	3	4	3	4	5	4	7	6	***	2	1	1	1	3	3	4	4	4	4	5	4	4	5	4
16	4	4	4	5	4	4	5	7	9	7	5	***	***	***	***	1	1	2	2	4	4	2	2	3	4
17	3	2	2	1	3	3	3	4	5	3	3	3	4	3	2	2	3	3	5	5	4	6	7	5	4
18	4	5	4	4	4	4	4	4	4	1	1	2	1	1	1	3	4	3	3	4	4	5	5	5	3
19	5	5	5	4	4	5	5	6	6	6	5	4	6	6	4	3	5	6	6	6	6	6	5	5	5
20	5	7	5	4	4	4	4	4	5	5	5	4	5	6	6	5	5	6	4	5	6	6	6	5	5
21	5	5	5	4	3	3	3	4	4	3	3	3	4	4	4	4	3	3	3	3	3	3	3	2	4
22	2	2	2	2	2	2	2	3	3	1	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***
23	***	***	***	***	***	***	***	***	***	***	2	3	5	4	3	2	4	4	4	3	3	3	3	3	***
24	3	3	3	2	3	3	3	4	4	2	2	2	3	2	3	7	5	6	4	4	4	3	2	1	4
25	2	2	2	2	2	2	2	4	4	3	3	2	3	2	3	3	3	2	3	3	3	3	3	4	3
26	3	3	2	2	2	2	2	3	3	3	4	4	3	3	3	2	3	3	2	3	3	3	2	3	3
27	3	3	3	2	3	3	3	3	4	4	6	10	8	7	9	8	6	6	4	3	3	3	3	3	5
28	3	3	3	3	3	2	2	3	3	3	2	2	2	2	3	4	3	2	3	3	4	2	3	4	3
29	2	2	2	3	3	2	2	3	3	***	1	***	1	2	3	3	3	4	2	2	2	2	2	2	2
30	1	1	1	1	1	2	2	2	2	3	2	2	2	2	2	2	3	3	2	1	1	2	2	1	2
MEAN	3	3	3	3	3	3	3	4	4	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3

PERCENTAGE OF DATA VALID - 90

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - VICTORIA ST SARNIA OAMST

NO 14049

MONTH DEC 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	2	2	1	1	1	2	2	2	2	3	3	2	2	2	2	1	1	2
2	1	1	1	1	1	1	2	3	***	***	***	***	2	2	3	3	6	6	4	5	4	4	4	5	3
3	5	5	3	3	2	2	2	3	4	3	3	3	3	3	3	5	5	4	6	7	7	7	7	8	4
4	8	8	6	5	5	6	7	8	17	11	9	8	7	7	7	9	8	6	6	5	5	5	5	4	7
5	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	5	4
6	5	4	4	5	5	4	5	7	5	4	7	9	11	***	7	10	12	9	8	7	7	8	6	6	7
7	6	5	4	4	5	5	5	6	5	***	2	1	3	3	4	2	2	4	4	3	3	2	3	3	4
8	3	2	3	3	1	0	1	4	3	2	4	5	4	4	3	1	5	7	6	6	3	2	3	2	4
9	5	5	4	4	3	3	4	5	6	4	4	***	3	5	6	7	10	10	8	7	10	8	7	6	4
10	7	7	5	4	3	6	4	5	4	***	2	***	3	3	2	4	4	4	4	3	5	5	6	5	4
11	5	5	5	5	5	5	4	4	4	4	4	4	5	5	7	7	8	7	7	6	5	6	6	5	5
12	6	5	4	6	9	7	4	5	5	4	4	4	3	5	4	4	5	6	5	5	3	2	4	4	3
13	3	2	2	3	3	3	3	4	4	***	2	3	3	3	5	5	7	8	6	5	6	6	4	4	4
14	4	6	7	6	4	4	3	4	4	3	1	1	2	3	3	4	7	6	4	4	4	4	4	4	4
15	4	4	4	4	4	4	4	5	4	3	3	4	3	1	1	0	1	1	1	1	1	2	2	3	3
16	3	3	4	4	3	3	3	4	4	3	2	3	2	3	2	3	4	5	5	6	5	4	4	4	4
17	3	3	3	2	3	4	0	4	3	***	***	***	***	***	***	***	2	2	2	2	1	1	0	0	2
18	0	0	0	0	0	0	0	0	0	0	1	1	2	3	4	5	5	5	3	4	4	5	5	6	2
19	3	3	3	3	3	3	3	4	4	4	4	4	5	5	4	4	4	4	5	5	4	4	4	4	4
20	4	4	4	4	4	4	4	6	6	***	5	5	7	6	6	6	8	7	7	8	7	6	4	5	6
21	5	5	5	4	3	3	3	3	3	2	2	2	4	4	4	4	4	6	4	4	5	4	3	2	4
22	2	2	1	1	1	2	2	2	2	2	2	1	2	4	4	4	4	4	4	4	4	4	4	4	3
23	3	3	3	3	3	3	3	5	4	3	2	2	4	4	5	5	6	5	5	5	5	4	6	7	4
24	8	8	6	5	5	5	5	5	5	7	7	9	9	9	8	7	7	6	6	5	5	4	4	4	6
25	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	4
26	7	6	6	6	5	5	5	5	5	6	6	5	6	6	4	5	6	5	5	5	5	5	4	4	5
27	4	4	4	4	4	4	4	5	4	4	4	4	5	5	4	5	6	6	8	6	6	5	4	5	5
28	5	4	4	4	3	3	4	4	4	5	***	***	6	7	6	5	2	2	2	3	3	2	2	2	4
29	1	1	1	1	1	1	1	2	***	1	1	2	2	2	3	4	8	10	8	8	7	6	5	5	4
30	5	5	5	5	5	5	5	5	5	2	3	4	6	6	10	6	6	6	5	5	4	5	4	4	5
31	4	4	3	3	3	4	3	3	4	2	3	5	6	6	5	5	5	4	3	4	5	7	7	6	4
MEAN	4	4	4	4	3	3	3	4	4	3	3	4	4	4	4	4	5	6	5	5	5	5	4	4	4

PERCENTAGE OF DATA VALID - 97

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS PER MILLION												
STATION - KING/RECTORY LONDON FAIR													NO 15001 MONTH JAN 71												
HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING	-											
2													- DATA MISSING	-											
3													- DATA MISSING	-											
4													- DATA MISSING	-											
5													- DATA MISSING	-											
6													- DATA MISSING	-											
7	1	0	0	0	0	0	0	1	2	3	2	2	2	2	2	2	2	1	1	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	1	3	2	2	2	1	1	2	2	2	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	1	2	1	1	2	2	2	3	9	8	3	2	1	0	4	2	2
10	1	1	1	1	0	0	0	0	2	2	2	2	2	2	2	2	2	1	0	0	1	0	0	0	1
11	0	0	0	0	0	0	0	1	4	5	4	4	4	4	4	4	3	2	2	3	3	1	1	2	
12	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
14	0	0	0	0	0	0	1	0	2	2	3	3	4	4	3	3	3	3	1	1	1	0	0	1	
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	3	4	4	3	2	1	1	1	1	.....
16	1	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	6	6	1	0	0	0	0	3	
17	1	1	1	1	1	0	0	1	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	2	2	2	1	0	0	0	1	1	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	2	3	3	3	3	2	3	3	3	1	1	1	1	1	0	1	
20	0	0	0	0	0	0	0	0	2	3	2	3	3	3	3	3	5	6	4	2	2	2	5	2	
21	3	2	2	2	2	1	1	1	2	3	3	3	4	4	4	5	4	2	1	2	2	2	2	3	
22	1	1	1	1	1	1	2	2	4	4	3	4	5	5	5	6	5	3	5	3	3	1	1	3	
23	1	1	2	1	1	1	0	0	1	4	5	4	5	5	5	5	14	12	3	2	1	0	1	3	
24	1	0	0	1	0	0	0	0	2	2	2	3	3	3	3	3	3	2	1	1	1	1	1	1	
25	1	2	2	2	2	2	2	2	3	3	2	3	4	5	5	5	5	4	3	3	3	2	3	3	
26	2	2	2	2	2	2	2	2	3	4	4	4	3	3	3	4	4	2	1	1	0	0	0	2	
27	0	0	0	1	1	1	2	1	2	2	2	2	3	3	2	2	2	1	1	0	0	0	0	1	
28	0	0	0	0	0	0	0	1	3	3	3	3	3	3	3	3	2	0	0	0	0	0	1	1	
29	1	0	0	0	0	0	0	1	3	4	3	3	3	4	4	4	5	3	1	1	1	1	1	2	
30	1	1	1	1	1	1	1	2	3	3	3	3	4	3	3	5	5	3	2	1	0	1	0	2	
31	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
MEAN	1	0	1	1	0	0	0	1	2	3	2	2	3	3	3	3	4	3	1	1	1	1	1	1	
PERCENTAGE OF DATA VALID - 78																									

PERCENTAGE OF DATA VALID - 78

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS PER MILLION																				
STATION - KING/RECTORY LONDON FAIR													NO 15001 MONTH FEB 71																				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN								
1	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	4	4	2	1	1	1	1	1	2								
2	0	0	0	0	0	0	0	2	3	3	3	3	2	••••	••••	••••	••••	5	4	4	3	3	3	3	2								
3													-	DATA MISSING	-																		
4													-	DATA MISSING	-																		
5													-	DATA MISSING	-																		
6													-	DATA MISSING	-																		
7													-	DATA MISSING	-																		
8													-	DATA MISSING	-																		
9													-	DATA MISSING	-																		
10													-	DATA MISSING	-																		
11													-	DATA MISSING	-																		
12													-	DATA MISSING	-																		
13													-	DATA MISSING	-																		
14													-	DATA MISSING	-																		
15													-	DATA MISSING	-																		
16													-	DATA MISSING	-																		
17													-	DATA MISSING	-																		
18													-	DATA MISSING	-																		
19													-	DATA MISSING	-																		
20													-	DATA MISSING	-																		
21													-	DATA MISSING	-																		
22													-	DATA MISSING	-																		
23													-	DATA MISSING	-																		
24													-	DATA MISSING	-																		
25													-	DATA MISSING	-																		
26													-	DATA MISSING	-																		
27													-	DATA MISSING	-																		
28													-	DATA MISSING	-																		
MEAN	0	0	0	0	0	0	0	2	3	3	3	3	3	3	3	3	4	5	3	3	2	2	2	2	2								
PERCENTAGE OF DATA VALID -					6																												

PERCENTAGE OF DATA VALID - 6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - SIMCOE HORTICULTURAL STATION

NO 16001

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	1	1	2	1	1	1	1
2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2
4	2	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2
5	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	2
7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	3	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5
9	- DATA MISSING -																								
10	- DATA MISSING -																								
11	- DATA MISSING -																								
12	- DATA MISSING -																								
13	1	1	1	1	1	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3
14	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3
15	3	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
17	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3
18	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	3
19	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
20	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	0	0	0	0	0	0	0	0	2
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0
23	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	2	1
25	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2	2	2	2	2
26	2	2	2	2	3	3	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	- DATA MISSING -																								
28	1	1	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	2
29	3	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
MEAN	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 76

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - SIMCOE HORTICULTURAL STATION

NO 16001

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2	1
3	2	2	2	2	2	3	3	3	3	3	4	4	4	5	4	5	5	5	5	5	4	4	5	5	4
4	5	5	5	5	4	4	4	4	4	4	4	3	1	1	1	1	1	1	1	1	1	1	1	1	3
5	1	2	2	2	1	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	0
7	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1
8	1	2	2	2	2	1	1	2	2	2	2	1	1	2	1	1	1	1	1	1	1	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0
11	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
12	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	3	3
13	3	3	3	2	2	2	2	2	1	2	2	1	1	2	2	1	2	2	2	1	1	1	0	0	2
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
15	1	1	1	1	2	1	2	1	1	1	2	2	3	3	2	3	3	3	3	2	3	3	3	3	2
16	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	5	6	6	5	5	4	4	4	3	4
17	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	1	2
18	1	1	1	0	1	0	0	1	1	0	0	0	1	1	1	1	1	2	1	1	1	2	1	1	1
19	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1
20	1	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	0	0	1	1	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	- DATA MISSING -																								
24	- DATA MISSING -																								
25	- DATA MISSING -																								
26	- DATA MISSING -																								
27	- DATA MISSING -																								
28	- DATA MISSING -																								
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 76

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - SIMCOE HORTICULTURAL STATION NO 16001

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	1	2	2	3	3	2	2	2	.....
14	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
20													- DATA MISSING -												
21													- DATA MISSING -												
22													- DATA MISSING -												
23													- DATA MISSING -												
24													- DATA MISSING -												
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26													- DATA MISSING -												
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
31													- DATA MISSING -												
MEAN	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	2	3	3	2	2	2	2

PERCENTAGE OF DATA VALID - 3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - SIMCOE HORTICULTURAL STATION NO 16001

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
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11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
20													- DATA MISSING -												
21													- DATA MISSING -												
22													- DATA MISSING -												
23													- DATA MISSING -												
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	3	3	4	4	4	4	4	4	3	.....
25	2	2	1	0	1	2	2	3	3	3	3	2	3	3	4	4	4	5	5	5	5	5	5	4	3
26	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	4	5	5	5	5	5	4	3
27	4	4	3	2	3	3	3	3	2	3	4	4	6	7	7	9	10	10	11	11	10	10	10	9	6
28	8	8	7	6	6	7	7	7	7	7	8	9	10	11	12	11	13	15	15	14	14	13	13	11	10
29	10	11	10	8	4	3	3	3	3	3	4	.....	2	4	5	6	7	8	9	9	9	8	7	6	6
30	7	7	7	6	4	4	4	4	4	4	4	4	5	5	6	6	6	7	7	6	5	5	6	8	5
MEAN	6	6	5	4	3	4	4	4	4	4	4	4	5	5	5	6	6	8	8	8	7	7	7	7	5

PERCENTAGE OF DATA VALID - 21

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - SIMCOE HORTICULTURAL STATION NO 15001

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	7	5	5	5	5	5	5	6	6	6	6	5	5	6	6	7	7	8	8	8	8	8	7	6
2	5	5	5	5	4	4	4	4	4	4	4	4	3	3	4	4	5	5	7	8	8	7	6	5	5
3	4	1	2	2	1	1	2	2	2	3	3	2	2	2	3	3	3	4	6	7	7	7	7	6	4
4	4	3	3	3	3	3	3	4	4	5	6	6	6	7	8	8	9	10	10	11	10	9	9	8	6
5	7	7	7	7	7	6	7	7	7	7	7	8	6	8	8	8	9	9	10	9	9	9	9	8	8
6	8	7	6	6	6	6	6	6	6	***	0	1	2	3	3	4	5	5	5	5	5	5	4	3	5
7	1	0	0	2	3	3	3	3	4	4	4	4	4	5	7	8	9	9	9	9	9	9	7	6	5
8	5	5	4	4	4	4	4	5	5	6	6	***	4	4	5	5	5	6	6	6	5	5	4	4	5
9	2	2	2	3	3	3	3	3	3	6	6	8	9	10	10	12	11	11	12	12	11	11	11	10	7
10	8	8	7	7	7	8	8	9	8	8	8	9	10	12	12	12	13	13	13	14	14	14	14	13	10
11	8	7	6	7	7	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6
12	4	5	5	5	4	4	4	5	5	6	6	6	5	3	3	4	5	8	10	10	10	9	7	5	6
13	5	5	5	5	6	6	6	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
14																									
15																									
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27																									
28																									
29																									
30																									
31																									
MEAN	5	5	4	5	5	5	5	5	5	5	5	5	5	6	6	7	7	8	9	9	8	8	8	7	6

PERCENTAGE OF DATA VALID - 39

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - SIMCOE HORTICULTURAL STATION NO 15001

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
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9																									
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25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN	4	3	3	3	3	3	2	3	2	2	2	2	2	3	3	4	4	4	4	4	5	4	4	4	3

PERCENTAGE OF DATA VALID - 44

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - SIMCOE HORTICULTURAL STATION

NO 16001

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	3	4	4	4	4	4	4	2
3	4	3	3	3	2	2	2	2	1	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9	****	****	****	****	****	****	****	****	****	****	****	****	****	2	2	2	2	2	3	2	2	2	2	1	****
10	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	4	4	4	4	4	3	3	2
11	3	2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4	4	3	3	3	3	3	2	3
12	2	2	2	1	1	1	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	2
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16	****	****	****	****	****	****	****	****	****	****	1	1	1	0	0	0	0	1	1	1	1	0	0	0	****
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****
21													- DATA MISSING -												
22													- DATA MISSING -												
23	****	****	****	****	****	****	****	****	****	****	****	****	2	3	3	3	4	4	4	4	3	3	3	3	****
24	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
25	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3
26	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3
27	4	4	4	4	4	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	6	6	7	7	7	7	7	7	7	5
29	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
30													- DATA MISSING -												
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2

PERCENTAGE OF DATA VALID - 53

UNITS - PARTS PER MILLION

STATION - BARTON/WENTWORTH HAM. OAMST NO 29025

MONTH JAN 71

13 14 15

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
DAY																										
1	3	3	3	3	3	3	4	4	4	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	
2												-	DATA MISSING	-												
3												-	DATA MISSING	-												
4												-	DATA MISSING	-												
5												-	DATA MISSING	-												
6												-	DATA MISSING	-												
7												-	DATA MISSING	-												
8												-	DATA MISSING	-												
9												-	DATA MISSING	-												
10												-	DATA MISSING	-												
11												-	DATA MISSING	-												
12												-	DATA MISSING	-												
13												-	DATA MISSING	-												
14												-	DATA MISSING	-												
15												-	DATA MISSING	-												
16												-	DATA MISSING	-												
17												-	DATA MISSING	-												
18												-	DATA MISSING	-												
19												-	DATA MISSING	-												
20												-	DATA MISSING	-												
21												-	DATA MISSING	-												
22												-	DATA MISSING	-												
23												-	DATA MISSING	-												
24												-	DATA MISSING	-												
25												-	DATA MISSING	-												
26												-	DATA MISSING	-												
27												-	DATA MISSING	-												
28												-	DATA MISSING	-												
29	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	●●●●	7	12	8	9	8	10	9	9	8	●●●●
30	6	5	5	4	4	4	4	4	4	5	5	4	5	5	5	6	6	6	6	6	6	6	6	4	4	5
31	4	4	4	4	4	3	4	4	5	5	6	4	4	4	5	6	6	6	6	6	6	6	6	4	5	
MEAN	4	4	4	4	4	3	4	4	5	5	5	5	5	5	6	6	8	7	7	7	7	7	6	5		

PERCENTAGE OF DATA VALID - 8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - BARTON/WENTWORTH HAM. OAMST NO 29025

MONTH FEB 71

1.2 1.0 1.5

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		4	3	3	3	3	4	4	5	***		2	2	3	4	4	6	4	4	3		2	3	3	3
2		2	1	1	2	2	2	2	2	2	3	3	4	4	3	4	6	6	6	7	7	6	6	4	4
3		4	4	4	4	5	5	7	6	***	4	4	5	4	5	4	8	8	7	6	5	5	6	6	5
4		5	5	3	3	3	4	7	7	5	6	6	6	6	6	7	8	7	5	7	5	4	7	6	6
5		3	4	4	4	3	5	12	7	5	5	4	3	2	2	3	3	2	2	2	2	1	2	2	4
6		1	1	0	1	0	0	1	1	1	2	2	2	1	2	2	3	3	3	3	3	3	3	3	2
7		3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	4	3	3	4	3	3	3	3	3
8		***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
9		***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
10		5	4	3	4	4	3	4	4	4	4	4	4	5	5	6	7	7	6	8	8	7	8	8	5
11		7	7	6	5	6	7	10	11	10	9	8	8	8	***	***	4	1	2	1	1	2	2	2	6
12		1	1	1	1	1	1	3	4	4	4	4	4	5	4	5	8	6	4	1	0	0	1	3	3
13		1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
14		0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	2	1
15		1	1	1	1	1	1	2	3	3	4	6	4	2	2	3	5	3	3	2	2	2	2	2	2
16		2	2	1	1	1	1	1	2	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
17		***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
18		1	2	1	1	1	1	3	4	4	3	2	2	3	3	3	3	1	2	3	2	2	2	2	2
19		2	2	1	1	1	1	2	4	3	2	3	2	3	4	5	5	3	3	3	3	3	3	3	3
20		4	4	3	3	3	3	4	7	6	3	3	4	5	4	3	3	2	2	3	3	2	2	2	3
21		2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
22		2	2	1	1	1	2	3	3	3	4	3	3	3	3	4	5	4	4	4	4	4	5	7	3
23		5	4	3	4	3	3	3	3	3	3	3	3	2	2	3	5	4	4	2	3	3	8	3	4
24		4	1	1	1	1	2	3	2	2	2	2	2	2	2	3	5	4	3	3	3	3	2	2	2
25		1	1	1	1	1	2	3	4	5	4	2	2	2	2	3	3	5	5	7	6	5	8	8	3
26		8	4	3	3	3	3	4	5	4	5	5	8	5	6	6	8	5	5	3	7	6	8	9	5
27		8	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2
28		1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2
MEAN		3	3	2	2	2	2	3	4	3	3	3	3	3	3	3	4	4	3	3	3	3	4	4	

PERCENTAGE OF DATA VALID - 90

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - BARTON/WENTWORTH HAM. OAMST NO 29025

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	4	5	5	12
FEB	28	3	6	12
MAR	31	5	9	13
APR	28	4	8	13
MAY	31	4	6	17
JUN	30	5	11	18
JUL	26	4	9	11
AUG	31	3	5	12
SEP	30	4	9	17
OCT	31	3	5	20
NOV	30	2	3	8
DEC	25	2	5	13
YEAR	325	3	11	20

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - CARBON MONOXIDE

UNIT - PARTS PER MILLION

STATION - BARTON/WENTWORTH HAM. OAMST NO 29025

	00 TO 01	02 TO 03	04 TO 08	09 TO 15	16 TO 40	41 & OVER	TOTAL
JAN	0	7	54	5	0	0	66
FEB	138	261	204	6	0	0	609
MAR	30	255	403	55	0	0	743
APR	82	220	313	18	0	0	633
MAY	108	249	352	3	1	0	713
JUN	54	179	368	79	4	0	684
JUL	38	327	208	24	0	0	597
AUG	77	526	115	1	0	0	719
SEP	72	286	292	48	1	0	699
OCT	206	343	151	20	1	0	721
NOV	410	208	54	0	0	0	672
DEC	177	290	112	8	0	0	587
YEAR	1392	3151	2626	267	7	0	7443

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
84	0	0.5	1.5	2.5	3.6	6.4	7.6	9.0	10.6	20	3.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - 67 COLLEGE ST TORONTO OAMST NO 31001

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2	4	8
FEB	28	2	5	10
MAR	31	2	4	13
APR	28	1	3	9
MAY	28	3	6	17
JUN	30	3	7	21
JUL	17	3	5	8
AUG	31	2	3	7
SEP	25	2	4	18
OCT	28	3	8	22
NOV	28	2	5	11
DEC	30	3	4	8
YEAR	335	2	8	22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - CARBON MONOXIDE

UNIT - PARTS PER MILLION

STATION - 67 COLLEGE ST TORONTO OAMST NO 31001

	00 TO 01	02 TO 03	04 TO 08	09 TO 15	16 TO 40	41 & OVER	TOTAL
JAN	198	445	90	0	0	0	733
FEB	238	372	57	3	0	0	670
MAR	307	392	40	1	0	0	740
APR	492	154	15	1	0	0	662
MAY	29	364	243	8	1	0	645
JUN	49	423	204	14	1	0	691
JUL	73	185	76	0	0	0	334
AUG	356	298	63	0	0	0	717
SEP	155	322	95	2	1	0	575
OCT	89	292	187	10	2	0	580
NOV	232	307	92	10	0	0	641
DEC	82	465	150	0	0	0	697
YEAR	2300	4019	1312	49	5	0	7685

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										ARITH MEAN
	MIN	10	30	50	70	90	95	98	99	MAX	
87	0	0.3	1.0	1.6	2.4	3.8	4.8	6.3	7.5	22	2.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - COLLEGE 1ST FL S TORONTO OAMST NO 31081

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	7	13	19
FEB	28	3	8	16
MAR	25	3	5	13
APR	25	3	5	12
MAY	28	4	10	15
JUN	26	3	5	16
JUL	29	3	6	11
AUG	14	3	6	9
SEP	30	4	8	21
OCT	31	4	8	17
NOV	29	3	5	10
DEC	22	2	7	12
YEAR	318	4	13	21

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - CARBON MONOXIDE

UNIT - PARTS PER MILLION

STATION - COLLEGE 1ST FL S TORONTO OAMST NO 31081

	00 TO 01	02 TO 03	04 TO 08	09 TO 15	16 TO 40	41 & OVER	TOTAL
JAN	90	98	300	232	8	0	728
FEB	184	239	182	14	3	0	622
MAR	146	221	147	20	0	0	534
APR	121	209	190	16	0	0	536
MAY	64	189	335	37	0	0	625
JUN	94	265	187	8	1	0	555
JUL	135	187	293	7	0	0	622
AUG	27	119	116	1	0	0	263
SEP	60	358	276	15	2	0	711
OCT	154	213	346	29	1	0	743
NOV	111	283	245	7	0	0	646
DEC	219	103	90	6	0	0	418
YEAR	1405	2484	2707	392	15	0	7003

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
79	0	0.5	1.6	2.7	4.0	6.5	8.6	11.7	12.9	21	3.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - LAWRENCE/KENNEDY SCARBOROUGH

NO 33003

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	4	5	4	4	3	4	4	4	4	6	7	6	6	6	5	7	5	6	5
2	4	3	3	3	3	4	7	11	10	6	3	2	3	3	3	5	3	5	5	5	5	4	2	3	4
3	2	2	1	1	1	1	4	10	5	4	3	1	1	1	2	2	2	1	2	2	3	2	3	3	2
4	2	2	2	2	2	2	4	6	4	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3
5	2	2	2	1	2	2	4	6	7	5	4	4	4	5	5	6	6	7	6	7	8	8	8	7	5
6	6	5	4	2	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	2	2	3	3	2
7	2	2	2	1	2	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	3
8	3	3	3	3	3	3	4	6	5	3	3	3	3	4	5	5	6	6	6	5	5	5	5	5	4
9	4	4	4	4	4	4	5	6	6	5	5	5	5	5	5	6	6	6	6	6	6	6	7	6	5
10	6	4	3	3	4	4	6	11	11	5	4	4	3	3	4	4	3	4	4	3	3	4	4	4	5
11	4	4	4	4	4	4	5	9	9	5	5	5	4	4	5	5	4	4	4	5	6	9	5	9	5
12	9	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
13	3	3	3	4	4	5	6	12	11	7	7	6	6	6	6	7	7	8	8	6	6	6	6	6	6
14	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	6	7	7	8	11	8	6	5	5	6
15																									
16																									
17																									
18																									
19																									
20	5	5	5	5	5	6	7	8	8	8	9	8	9	8	7	6	5	4	11	9	4	6	4	6	6
21	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	5
22	5	5	5	5	5	5	7	9	7	6	6	6	6	6	7	8	10	8	9	8	6	6	5	4	6
23	4	4	3	3	3	3	5	7	6	5	5	5	5	5	5	5	7	6	6	5	5	4	5	5	5
24	3	3	3	3	3	3	5	7	6	5	5	5	5	5	5	5	7	6	6	5	5	4	5	5	5
25	3	2	2	2	2	2	6	6	5	3	3	3	2	2	3	4	5	4	4	3	4	5	5	3	4
26	1	1	1	1	1	2	3	3	2	1	2	2	2	2	3	3	3	3	4	4	3	5	6	4	4
27	4	3	3	3	3	3	4	3	2	3	3	3	3	3	3	4	4	4	4	4	6	8	6	6	3
28	4	4	4	4	3	3	4	4	4	4	4	3	3	4	4	4	4	4	4	4	6	7	4	4	3
29	4	4	3	3	3	3	4	6	4	3	3	3	3	3	3	4	4	3	3	2	2	2	2	2	3
30	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
31																									
MEAN	4	3	3	3	3	3	5	7	6	4	4	4	4	4	4	5	5	5	6	5	5	5	5	5	5

PERCENTAGE OF DATA VALID - 77

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - LAWRENCE/KENNEDY SCARBOROUGH

NO 33003

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11	8	10	11	13	14	13	12	10	8	8	8	8	8	10	10	7	7	7	8	8	8	8	8	7	10
12	12	12	11	10	9	9	9	8	7	8	8	8	10	9	8	7	6	6	6	6	6	5	10	10	10
13																									
14																									
15																									
16	12	12	12	12	12	12	12	12	11	10	9	10	11	11	11	10	9	9	9	9	12	12	12	12	12
17	13	13	13	12	12	11	13	12	9	8	7	10	11	11	11	10	9	11	11	11	12	12	15	14	11
18	11	9	8	8	8	8	8	9	9	10	10	9	8	8	9	10	10	10	11	11	12	13	12	12	11
19	10	11	11	9	9	9	9	9	10	10	9	10	5	5	5	5	5	5	5	5	9	10	12	11	9
20	6	6	6	5	5	5	4	4	4	4	4	4	4	4	4	6	12	12	11	9	11	11	11	9	7
21	9	9	9	9	9	11	13	12	10	8	10	10	10	10	11	11	11	11	11	11	11	10	11	9	10
22	9	9	9	9	9	10	11	11	9	9	9	11	11	11	12	12	12	11	12	12	15	14	14	11	11
23	14	14	14	14	13	12	13	14	12	10	9	9	10	10	10	9	9	11	11	11	10	11	11	11	11
24	12	11	10	10	10	11	14	16	11	11	11	11	11	10	10	10	10	10	10	11	13	9	10	11	11
25	9	9	9	10	10	10	11	11	11	11	12	12	11	11	11	13	17	15	12	14	12	10	11	11	11
26	10	10	9	8	8	8	9	9	8	9	9	9	10	10	11	11	10	10	12	13	16	16	15	18	11
27	18	17	16	16	15	13	11	9	9	8	9	10	10	10	10	10	10	9	10	11	10	9	9	9	11
28	9	9	9	9	9	9	10	11	10	10	11	10	7	7	7	8	7	7	8	8	8	9	9	9	9
29	9	9	9	9	10	11	13	12	10	9	8	8	9	7	7	8	7	7	6	7	6	7	8	7	9
30	6	5	4	3	4	6	9	9	7	6	5	4	4	4	5	6	6	5	5	5	5	5	6	5	5
MEAN	10	10	10	10	10	10	11	10	9	9	9	9	9	8	9	9	9	9	9	10	10	10	10	10	10

PERCENTAGE OF DATA VALID - 58

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - LAWRENCE/KENNEDY SCARBOROUGH NO 33003

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	22	5	8	22
FEB	27	5	7	16
MAR	26	5	7	13
APR		DATA MISSING		
MAY		DATA MISSING		
JUN	19	10	11	18
JUL	26	8	11	19
AUG		DATA MISSING		
SEP		DATA MISSING		
OCT		DATA MISSING		
NOV		DATA MISSING		
YEAR	120	6	11	22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - CARBON MONOXIDE

UNIT - PARTS PER MILLION

STATION - LAWRENCE/KENNEDY SCARBOROUGH NO 33003

	00 TO 01	02 TO 03	04 TO 08	09 TO 15	16 TO 40	41 & OVER	TOTAL
JAN	29	66	262	19	2	0	378
FEB	15	126	443	22	1	0	607
MAR	25	171	356	26	0	0	578
APR		DATA MISSING					
MAY		DATA MISSING					
JUN	0	1	120	290	9	0	420
JUL	0	12	368	222	2	0	604
AUG		DATA MISSING					
SEP		DATA MISSING					
OCT		DATA MISSING					
NOV		DATA MISSING					
YEAR	69	376	1549	579	14	0	2587

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
71	0	2.3	3.9	5.3	7.0	9.9	11.1	12.6	13.9	22	6.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3
2	4	4	4	4	5	5	5	5	5	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4
3	4	4	4	5	5	6	6	5	4	4	4	4	5	5	5	5	6	4	3	3	3	3	3	3	4
4	4	5	5	5	5	5	5	4	3	3	3	3	3	3	3	4	7	5	4	3	2	2	1	1	4
5	3	3	4	4	4	4	3	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	3	3	3	3	3	3	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2
7	3	3	3	4	4	4	4	4	4	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	3
8	1	2	2	2	2	1	2	5	8	7	6	4	4	3	1	1	3	3	4	3	3	3	3	3	3
9	3	3	3	3	3	2	2	1	1	1	1	1	2	1	1	1	2	2	3	3	4	4	4	4	2
10	2	1	1	2	3	3	3	2	1	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2
11	2	3	3	3	3	3	2	2	3	3	2	4	5	6	6	7	7	7	7	7	4	2	5	5	4
12	5	5	5	5	5	4	5	6	5	5	5	5	5	5	6	7	6	6	6	8	9	8	7	6	6
13	6	6	6	6	6	6	6	6	4	4	4	4	4	4	4	4	4	4	5	5	4	5	5	5	5
14	6	6	6	6	6	6	7	6	6	6	7	6	5	5	6	6	5	5	5	5	5	5	5	5	6
15	6	6	6	5	5	5	5	4	4	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3
16	4	4	4	4	4	3	3	3	4	4	5	5	5	5	6	7	8	9	9	11	9	8	9	8	6
17	7	7	6	6	6	6	6	6	5	4	4	4	4	4	5	5	5	5	5	5	4	4	4	5	5
18	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
19	- DATA MISSING -																								
20	- DATA MISSING -																								
21	- DATA MISSING -																								
22	4	6	6	4	4	3	3	1	0	0	0	1	1	2	2	3	3	3	3	1	0	0	1	3	***
23	2	2	2	3	3	3	3	2	2	2	1	2	2	2	2	4	4	4	5	5	4	3	3	3	3
24	4	4	4	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4	4	5	4	3	3	3	3
25	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	2	3	2	2	2	3	2	2	1
26	3	3	4	3	3	3	4	4	4	4	4	4	4	3	3	3	3	4	4	4	4	4	4	4	4
27	4	4	4	5	5	6	5	5	5	5	5	4	4	3	3	3	3	4	3	3	3	3	3	3	4
28	4	3	3	3	3	3	3	3	4	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	4
29	5	5	4	5	5	5	4	3	3	4	3	3	3	2	3	3	3	3	3	3	3	3	2	2	3
30	2	2	3	3	3	2	2	2	3	2	2	1	2	2	2	2	3	3	3	3	4	4	4	4	3
31	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3
MEAN	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	4	4	4	4	3	3	3	3	3

PERCENTAGE OF DATA VALID - 86

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	4	3	4	4	4	5	5	4	3	3	1	2	2	0	0	0	0	0	1	1	0	0	2
2	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
3	0	1	1	1	0	0	0	0	1	2	3	2	1	0	0	0	0	1	1	0	1	1	1	2	1
4	3	1	1	1	0	0	0	1	1	0	1	1	1	2	1	2	2	1	1	1	0	0	0	0	1
5	0	0	0	0	0	1	1	2	2	1	1	1	0	1	1	1	0	0	0	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1
7	1	3	4	4	3	3	2	2	2	1	2	2	0	0	0	0	1	1	1	0	1	0	0	1	1
8	1	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	2	2	1	0	0	0	0	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
10	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	2	2	3	3	4	3	2	2	3	3	6	2	1	1	1	2
13	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
14	- DATA MISSING -																								
15	***	***	***	***	***	***	***	***	***	***	***	5	3	3	3	3	3	3	3	3	3	3	3	3	***
16	2	2	2	1	1	1	1	2	4	8	6	5	3	2	2	1	1	1	1	2	5	3	3	3	3
17	3	3	2	2	1	1	1	1	2	4	2	2	3	3	3	2	2	2	3	3	3	3	3	3	2
18	3	2	1	1	1	1	1	2	4	4	3	2	1	1	1	1	1	1	1	2	3	5	6	8	2
19	7	4	2	2	2	2	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	0	2	2	3	5	6	6	5	5	5	3	2	2	1	1	1	2
21	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
23	3	4	4	3	3	3	3	5	6	5	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4
24	3	3	3	3	3	3	3	4	5	4	4	3	3	3	4	4	4	4	4	4	4	3	3	4	5
25	6	6	5	5	5	5	5	5	5	4	4	4	4	4	4	5	5	6	6	8	8	9	11	11	6
26	11	11	9	5	5	4	4	6	7	5	4	5	4	4	4	5	5	4	4	4	4	4	3	4	6
27	4	3	3	3	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3
28	2	2	2	2	2	2	2	2	2	3	2	2	3	3	3	4	3	3	3	2	3	3	3	3	3
MEAN	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 94

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	2	2	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4	5	3
2	5	4	4	4	4	4	4	5	7	7	4	2	2	2	2	2	2	2	2	4	5	2	2	2	3
3	2	2	2	2	1	1	2	2	2	2	1	1	1	1	1	1	2	1	2	3	3	3	2	2	3
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	6	5	3	2	1	1	1	1	2	3	3	2	1	1	2	2	2	2	2	3	3	5	6	6	.....
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	2	1	1	1	2
8	2	1	1	1	1	1	1	2	2	2	.....	1	2	3	3	3	4	4	4	3	2	3	3	3	2
9	2	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	3	3	2	2	4	3	2
10	2	2	2	1	1	1	2	3	7	8	1	1	2	3	6	6	4	4	4	3	2	1	1	1	3
11	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	4	4	4	5	2
12	5	2	1	1	1	2	4	7	5	3	2	2	2	2	2	2	3	4	4	4	4	4	6	6	3
13	5	3	2	2	2	2	2	2	2	2	2	3	2	3	3	3	4	4	4	5	7	7	8	3	3
14	8	7	6	5	4	4	5	4	2	2	2	2	2	2	2	2	3	3	2	2	4	5	5	6	4
15	6	5	5	6	6	4	1	3	4	1	5	5	5	4	4	4	4	4	5	5	4	4	4	4	4
16	5	5	5	5	5	5	4	4	3	3	3	4	4	4	4	4	5	5	5	5	4	4	3	5	4
17	4	4	4	4	5	5	5	4	4	2	2	3	4	4	4	4	4	4	5	5	4	4	3	5	4
18	6	6	7	7	7	7	7	6	4	3	3	4	4	4	4	5	5	5	5	5	3	3	3	5	4
19	5	6	6	6	6	6	5	4	3	3	4	4	4	4	5	5	5	5	5	4	4	4	4	5	5
20	6	6	6	7	7	7	6	4	3	3	2	2	3	4	4	5	5	5	5	4	3	3	2	2	4
21	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	4	4	4	4	2	2	2	2	4	2
22	4	4	4	4	4	4	3	3	2	2	1	.....	.....	.....	1	1	1	1	1	1	1	0	0	0	2
23	4	4	4	4	4	3	3	3	1	1	1	1	1	2	2	3	3	3	3	2	2	2	2	3	3
24	2	2	3	3	3	3	2	2	1	1	1	2	2	3	3	3	3	3	2	2	2	3	3	3	3
25	4	4	4	4	3	3	2	2	2	1	1	0	1	2	2	2	3	3	3	3	3	3	4	5	5
26	6	5	5	5	5	5	5	4	2	3	2	2	3	4	4	4	4	4	5	6	7	7	9	9	5
27	8	7	7	7	6	6	5	3	1	2	2	2	2	2	2	2	2	1	1	0	0	0	0	0	3
28	0	1	1	1	0	0	0	0	0	1	2	2	2	3	4	5	5	5	5	4	4	3	3	3	2
29	5	5	5	5	5	5	3	2	2	2	2	2	3	3	1	1	1	1	1	1	1	1	1	1	2
30	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	4	4	4	4	3	4	6	8	3
31	7	7	6	5	5	5	5	6	5	4	4	4	4	4	4	5	5	5	5	5	4	4	4	3	5
MEAN	4	4	4	3	3	3	3	3	3	3	2	2	2	3	3	3	3	3	4	3	3	3	3	4	3

PERCENTAGE OF DATA VALID - 93

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH APR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	3	3	3	4	4	4	4	3	2	2	3	4	6	8	7	5	5	5	4	3	4
2	3	2	2	2	2	2	2	2	2	3	2	1	4	5	4	4	3	2	2	2	1	1	1	1	2
3	1	1	1	1	1	1	1	1	1	1	2	1	1	2	3	1	1	1	2	1	1	0	0	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	3	1
5	2	2	2	2	2	1	1	1	1	1	.....	.....	2	3	4	4	3	3	3	4	4	4	4	4	3
6	5	5	4	4	4	4	4	3	2	3	3	3	4	4	4	4	4	5	5	7	7	5	4	4	4
7	4	4	4	5	5	4	3	3	3	3	.....	.....	4	4	4	4	4	5	5	4	4	4	4	5	4
8	5	5	5	5	5	4	4	4	4	4	.....	.....	3	3	3	3	3	2	2	2	2	3	5	4	4
9	7	6	6	6	6	5	4	3	2	2	2	2	2	3	4	4	4	3	2	2	2	1	1	4	4
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1
11	3	3	3	3	3	4	4	4	4	2	2	3	4	4	3	2	2	2	2	2	3	6	6	6	3
12	4	4	3	3	2	3	3	3	4	3	3	3	3	2	3	2	2	2	2	2	2	3	4	4	3
13	3	1	1	1	1	1	1	1	1	1	1	.....	3	4	4	5	5	4	4	4	2	2	3	4	2
14	3	4	4	4	4	4	2	1	1	2	3	3	3	3	3	2	2	2	2	2	2	3	4	4	3
15	4	4	4	4	5	5	5	4	3	3	3	2	2	3	3	2	2	2	2	2	2	2	2	2	2
16	4	4	3	3	3	4	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	3	2
17	5	6	5	3	1	1	1	2	1	1	2	3	2	2	1	1	2	2	2	1	1	1	1	3	2
18	3	4	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	.....	.....	0	0	0	0	2	2	1	0	.....	.....	.....	.....	1
20	.....	.....	.....	.....	.....	.....	0	2	2	2	1	1	1	2	2	.....	2	2	2	3	3	2	2	2	2
21	2	1	1	0	0	0	0	0	0	1	2	2	2	2	2	2	3	3	3	2	2	2	1	2	1
22	3	4	4	4	4	4	3	2	2	2	2	2	3	3	3	3	3	3	4	3	3	2	2	3	3
23	4	4	4	5	5	5	4	3	2	2	2	2	3	2	3	4	4	4	5	4	3	2	1	2	3
24	2	2	2	2	2	2	2	2	2	2	2	2	3	4	5	5	5	5	4	3	2	2	2	2	3
25	2	2	2	2	2	1	1	1	1	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	3
26	1	0	0	0	0	0	0	0	1	2	.....	.....	1	1	1	1	1	1	0	.....	.....	.....	.....	0	1
27	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	1	1	1	1	1	1
28	0	0	0	0	0	0	0	0	1	1	2	3	3	3	4	4	6	7	8	6	5	5	3	4	3
29	4	3	3	2	2	2	2	2	2	1	1	2	2	2	2	2	2	3	3	2	2	1	1	1	1
30	1	0	0	0	0	0	0	0	1	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
MEAN	3	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	3	2

PERCENTAGE OF DATA VALID - 96

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	6	6	6	5	4	4	5
2	3	2	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	3	4	4	3	3	3	1	2
3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	2	1	1	1	2	1	1	2
4	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	4	4	3	2	2	2	5	5	3	2
5	3	2	2	2	1	3	4	5	4	4	4	4	4	4	6	7	11	10	9	8	6	6	6	4	5
6	2	2	2	2	2	2	3	4	3	3	3	4	3	4	4	5	5	5	4	3	6	7	7	7	4
7	7	7	5	4	4	4	4	5	3	5	3	3	4	5	5	5	6	5	6	8	11	9	8	5	5
8	6	5	4	4	4	4	7	4	5	6	6	6	6	7	7	7	9	8	9	9	9	8	7	7	4
9	6	5	4	3	2	2	3	4	3	3	3	3	4	5	5	4	5	5	5	6	8	7	7	7	4
10	6	5	4	4	4	4	4	3	2	2	3	3	5	4	5	5	6	6	4	4	4	5	6	5	4
11	5	4	2	2	1	2	1	1	1	2	2	2	2	4	4	4	5	4	3	2	2	2	2	2	3
12	2	1	1	1	1	2	3	3	3	3	4	5	5	6	6	6	6	6	4	3	2	2	1	1	2
13	1	1	2	1	1	2	3	3	3	3	3	4	5	6	6	6	6	5	5	5	5	7	7	6	5
14	2	2	1	1	1	1	1	1	2	3	6	7	6	6	6	7	7	6	6	7	7	7	6	5	4
15	4	3	2	2	2	3	5	6	7	6	6	7	8	8	8	8	8	9	8	9	9	8	8	7	6
16	5	5	5	4	4	4	4	5	6	7	8	8	8	8	8	8	8	9	8	9	9	8	8	7	6
17	7	7	7	6	6	6	6	6	5	5	5	6	6	6	6	7	7	7	7	8	9	8	8	7	6
18	5	4	3	4	4	4	4	4	4	4	4	4	4	5	5	6	6	5	6	6	6	5	5	4	6
19	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
20	5	5	5	4	4	5	6	6	6	5	5	6	6	6	6	6	7	7	8	9	11	11	11	11	6
21	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
22	7	6	5	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
23	5	4	4	5	5	5	5	7	7	7	7	6	6	6	6	7	7	7	7	8	8	8	7	6	6
24	6	5	5	5	5	5	5	5	5	6	6	6	6	7	7	7	8	8	6	6	6	5	5	5	6
25	5	5	4	4	3	4	4	4	4	5	5	6	6	6	6	7	7	6	6	6	7	7	8	8	6
26	6	6	5	4	3	3	3	4	4	4	4	4	4	4	5	5	6	6	6	6	7	7	8	8	6
27																									
28																									
29																									
30	1	1	1	1	1	1	2	2	1	0	0	1	1	1	2	2	2	2	2	2	2	4	3	1	1
31	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
MEAN	4	4	3	3	3	3	3	4	3	4	4	4	4	5	5	5	6	6	5	5	5	5	5	4	4

PERCENTAGE OF DATA VALID - 84

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	1	0	0	2	2	1	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	1	1
3	1	1	1	2	2	3	4	2	2	2	2	2	2	2	2	2	2	2	1	1	1	0	0	2	2
4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	3	3	3	3	3	1	2
5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	3	3	6	7	5	4
6	2	2	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	1
7	1	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	2	3	4	3	3	2	2
8	1	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	2	2	1	1	1	1	2	1
9	2	1	1	0	0	0	2	0	0	0	0	0	6	6	6	7	8	8	7	6	6	5	5	5	4
10	5	4	4	4	4	3	4	5	6	6	6	7	8	8	9	9	9	8	7	7	6	6	6	6	6
11	4	4	4	3	3	4	4	3	3	4	4	4	5	5	5	6	6	5	5	5	5	5	3	1	4
12	0	0	0	0	0	1	1	2	1	1	1	2	2	3	4	4	5	5	5	5	5	5	4	3	2
13	2	2	1	1	0	0	2	2	3	3	3	4	4	5	6	7	7	7	7	7	7	8	6	4	4
14	5	6	5	4	3	2	3	4	3	4	4	4	5	6	7	7	7	7	6	6	5	5	4	3	2
15	3	2	1	1	0	1	0	0	1	1	1	2	2	2	3	3	4	3	2	1	2	2	4	3	2
16	2	2	2	1	1	1	3	4	2	1	1	1	1	2	2	3	4	4	4	3	3	4	4	5	3
17	4	4	4	3	2	2	4	6	2	2	2	3	4	5	5	6	6	6	5	5	7	8	6	5	4
18	2	2	1	1	1	1	4	4	3	3	3	3	3	4	4	6	6	6	6	7	10	10	10	5	4
19	8	8	7	7	6	8	9	10	5	4	5	5	5	6	6	6	6	7	7	7	7	6	6	6	7
20	5	5	4	4	3	4	4	4	5	5	5	6	6	6	6	6	6	6	6	6	8	8	7	6	5
21	4	2	1	0	1	1	1	2	1	2	2	2	2	2	3	4	4	3	3	3	4	4	3	3	2
22	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	4	3	2	2	3	3	4	4	4	3	2	2	2	2	2	2	2	2	1	1	3	3	5	5	5
24	4	3	2	2	3	3	4	4	4	3	2	2	2	2	2	2	2	2	1	1	3	3	5	5	5
25	3	2	2	2	1	2	2	2	3	3	3	4	5	5	5	6	6	6	6	6	6	6	6	6	6
26	5	4	4	4	3	4	5	5	4	4	4	5	5	5	6	7	7	6	6	6	6	5	5	5	6
27	5	5	5	5	5	5	6	6	6	6	6	6	6	6	7	7	6	6	6	6	6	5	5	5	6
28	5	5	4	5	5	5	5	5	5	5	6	6	6	6	7	7	7	7	6	7	9	8	7	6	6
29	6	5	4	4	4	4	5	5	5	5	5	7	8	8	8	8	7	7	7	6	7	9	7	6	6
30	6	5	4	5	5	5	6	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
31	4	3	3	2	2	2	3	3	3	2	2	2	2	2	2	3	3	3	2	3	6	6	6	7	3
MEAN	3	3	2	2	2	3	3	3	3	3	3	3	3	4	4	5	5	4	4	4	5	5	5	4	4

PERCENTAGE OF DATA VALID - 89

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	3	6	11
FEB	27	2	6	11
MAR	30	3	5	9
APR	30	2	4	8
MAY	28	2	5	8
JUN	29	4	7	11
JUL	29	4	7	11
AUG	31	4	7	10
SEP	29	5	9	18
OCT		DATA MISSING		
YEAR	261	3	9	18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - CARBON MONOXIDE

UNIT - PARTS PER MILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

	00 TO 01	02 TO 03	04 TO 08	09 TO 15	16 TO 40	41 & OVER	TOTAL
JAN	64	281	290	6	0	0	641
FEB	324	199	103	6	0	0	632
MAR	145	272	280	2	0	0	699
APR	225	307	163	0	0	0	695
MAY	259	209	148	0	0	0	616
JUN	84	202	354	17	0	0	657
JUL	94	128	384	19	0	0	625
AUG	143	192	323	11	0	0	669
SEP	20	119	439	56	2	0	636
OCT	DATA MISSING						
YEAR	1358	1909	2484	117	2	0	5870

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
89	0	0.4	1.4	2.7	3.9	5.9	6.8	8.0	8.8	18		3.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - D.O.H. BATHURST & WILSON

NO 34007

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0
19	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	1	1	2	3	3	1	2	1	1	1
20	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	1	1	2	3	3	1	2	1	1	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22													- DATA MISSING -												
23													- DATA MISSING -												
24													- DATA MISSING -												
25													- DATA MISSING -												
26													- DATA MISSING -												
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
31													- DATA MISSING -												
MEAN	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	1	1	1	1	0	1	0	0	0

PERCENTAGE OF DATA VALID - 8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - D.O.H. BATHURST & WILSON

NO 34007

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17	2	2	2	2	2	2	2	3	3	2	2	1	1	2	8	10	1	1	2	2	1	1	1	2	6
18	9	9	8	8	8	8	8	10	12	9	9	8	5	5	8	9	12	13	15	13	11	8	8	9	9
19	9	9	9	9	9	9	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8
20													- DATA MISSING -												
21													- DATA MISSING -												
22													- DATA MISSING -												
23													- DATA MISSING -												
24													- DATA MISSING -												
25	1	1	2	2	1	2	2	3	2	2	2	2	5	5	6	9	9	9	9	10	10	10	9	8	5
26	8	8	8	8	8	9	10	12	13	12	11	11	11	11	12	12	13	13	13	13	14	14	12	12	11
27	10	10	9	10	10	11	11	13	12	12	11	12	12	12	13	13	13	13	13	14	14	13	12	12	12
28	11	11	10	10	11	11	11	11	11	10	10	9	8	9	9	9	9	9	9	9	9	12	12	10	10
29	9	9	10	9	9	8	10	9	8	8	7	7	7	7	7	8	9	8	8	8	8	7	7	7	8
30	7	7	7	7	7	7	9	9	10	10	10	10	10	10	11	11	12	11	11	12	12	12	13	12	10
31	12	11	12	12	11	11	13	14	14	13	12	12	11	13	13	13	15	15	14	13	12	12	12	11	13
MEAN	8	8	8	8	7	8	8	9	9	8	8	7	8	8	7	8	9	9	9	9	9	8	8	8	8

PERCENTAGE OF DATA VALID - 36

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - D.O.H. BATHURST & WILSON

NO 34007

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9	****	****	****	****	****	****	****	****	****	****	****	****	- DATA MISSING -												
10	0	0	0	0	0	1	5	3	3	3	3	2	2	2	2	1	2	0	0	0	0	0	0	0	****
11	3	2	1	1	1	2	7	8	4	2	3	2	2	2	2	2	4	3	3	3	2	3	3	2	3
12	2	3	3	2	1	2	2	5	4	4	3	3	1	1	1	1	1	1	2	1	3	3	4	8	3
13	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	2	2	0	0	2	1
14	2	2	2	1	0	2	6	8	3	2	2	3	2	3	2	3	2	1	1	1	1	1	1	1	2
15	1	1	1	1	1	2	6	7	5	4	3	3	4	3	3	4	2	2	2	2	2	1	1	0	3
16	0	0	0	0	1	2	6	6	4	8	8	8	5	5	5	6	7	7	5	5	6	7	6	6	5
17	5	5	6	5	7	9	12	11	8	8	8	7	5	5	4	4	5	4	4	5	6	5	7	7	6
18	6	7	4	4	4	6	9	8	8	7	6	5	****	****	****	****	****	****	****	****	****	****	****	****	****
19													- DATA MISSING -												
20													- DATA MISSING -												
21													- DATA MISSING -												
22													- DATA MISSING -												
23													- DATA MISSING -												
24													- DATA MISSING -												
25													- DATA MISSING -												
26													- DATA MISSING -												
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
MEAN	3	2	2	2	2	3	6	6	4	4	4	4	3	3	2	3	3	2	2	2	3	3	3	3	3

PERCENTAGE OF DATA VALID - 30

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - D.O.H. BATHURST & WILSON

NO 34007

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	3	5	4	3	3	1	1	0	****	****
6	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	1	2	2	3	2	3	3	1	1	1
7	1	1	1	2	2	3	3	2	2	1	1	2	2	3	3	4	4	3	4	3	4	3	3	4	3
8	3	4	3	3	2	3	3	4	4	3	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
9	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	3	6	7	4	3	****	****	****	****	****
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
20													- DATA MISSING -												
21													- DATA MISSING -												
22													- DATA MISSING -												
23													- DATA MISSING -												
24													- DATA MISSING -												
25													- DATA MISSING -												
26													- DATA MISSING -												
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
MEAN	2	3	2	3	2	3	3	2	2	2	1	2	2	2	2	3	4	4	4	3	3	2	1	3	3

PERCENTAGE OF DATA VALID - 8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - D.O.H. BATHURST & WILSON

NO 34007

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	4	0	1	3
FEB		DATA MISSING		
MAR	14	8	13	15
APR	27	6	14	25
MAY	29	3	5	11
JUN	10	3	6	12
JUL		DATA MISSING		
AUG		DATA MISSING		
SEP		DATA MISSING		
OCT		DATA MISSING		
NOV	5	3	3	7
YEAR	89	4	14	25

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - CARBON MONOXIDE

UNIT - PARTS PER MILLION

STATION - D.O.H. BATHURST & WILSON

NO 34007

	00 TO 01	02 TO 03	04 TO 08	09 TO 15	16 TO 40	41 & OVER	TOTAL
JAN	58	5	0	0	0	0	63
FEB		DATA MISSING					
MAR	27	36	53	158	0	0	274
APR	85	137	248	149	3	0	622
MAY	174	261	170	5	0	0	610
JUN	69	72	71	4	0	0	216
JUL		DATA MISSING					
AUG		DATA MISSING					
SEP		DATA MISSING					
OCT		DATA MISSING					
NOV	19	32	13	0	0	0	64
YEAR	432	543	555	316	3	0	1849

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
42	0	0.4	1.5	2.8	5.0	9.9	11.1	12.4	13.0	25	4.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
21	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
22	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	4	2
23	5	5	4	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	3
24	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	6	5	3	2	2	3
25	2	2	2	2	2	2	3	4	3	3	3	3	2	2	2	2	3	6	3	3	3	3	3	2	3
26	2	2	2	2	2	1	2	2	2	2	2	2	2	3	3	3	3	3	3	4	3	3	3	3	2
27	6	6	6	6	6	6	8	8	8	8	8	8	8	8	7	7	7	8	7	6	5	3	3	3	7
28	3	3	3	2	2	2	4	4	4	3	2	3	1	1	1	1	3	3	3	3	3	3	3	2	2
29	3	3	2	2	2	2	3	4	3	2	3	3	3	4	4	4	5	5	5	5	5	3	3	3	3
30	3	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2	3	4	4	3	3	3	3	3	3
31	3	3	3	3	3	3	3	3	3	3	4	3	3	4	4	4	4	4	4	4	4	4	4	3	3
MEAN	3	3	2	2	2	2	3	3	3	3	3	3	2	3	2	2	3	4	3	4	3	3	3	2	3

PERCENTAGE OF DATA VALID - 40

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	4	4	4	5	6	5	5	5	5	5	5	5	5	5	6	5	5	5	4
2	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	4
3	5	5	5	5	4	4	4	5	4	3	2	2	2	1	1	1	1	2	3	3	6	4	3	6	3
4	3	1	1	0	0	1	1	4	4	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2
5	1	1	1	1	1	0	2	3	3	2	***	***	***	2	3	3	3	3	3	4	3	3	3	2	2
6	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	4	4	4	5	4	4	3	3
7	4	5	4	4	4	4	4	4	4	5	4	4	4	4	4	4	4	3	3	3	3	3	3	3	4
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	4	5	6	6	5	3	3
9	5	5	5	5	6	6	6	6	6	3	3	2	2	1	1	1	2	3	4	4	4	4	4	4	4
10	4	4	4	5	6	6	6	7	7	6	6	5	4	4	4	3	2	2	3	3	3	2	1	1	4
11	1	1	1	1	1	2	2	2	2	2	2	1	3	3	3	3	3	3	2	1	1	1	0	0	2
12	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	3	0	0	1	2	2	2	1
13	3	5	5	5	6	7	8	8	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	8
14	12	12	12	12	11	11	11	9	8	6	4	3	2	2	2	2	2	3	3	2	2	2	2	2	6
15	2	2	1	1	1	1	2	2	2	2	2	2	2	1	1	0	4	5	6	5	6	5	5	5	1
16	1	1	1	1	2	3	4	6	4	2	2	2	2	5	4	4	5	6	5	6	5	5	5	5	4
17	6	6	6	6	5	6	6	8	6	6	6	6	7	6	5	4	6	5	6	5	5	5	5	5	6
18	5	5	5	5	5	5	5	6	6	6	5	5	4	4	3	3	4	4	4	4	4	4	4	4	5
19	5	5	5	4	4	4	5	10	9	5	6	6	6	5	5	5	6	6	6	5	4	5	5	5	5
20	5	5	5	4	4	4	4	5	7	8	7	7	7	7	7	6	5	5	5	4	5	4	4	4	5
21	4	3	3	3	3	4	4	4	5	5	5	5	5	5	5	5	6	6	6	6	5	5	5	5	5
22	5	5	5	5	5	6	7	8	7	7	7	***	2	2	2	2	2	3	3	3	2	2	2	2	4
23	1	1	1	1	1	1	2	3	3	1	1	1	1	1	0	0	1	1	1	1	2	2	1	1	1
24	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1
25	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	4	7	8	8	6	2
26	5	4	7	5	5	3	3	3	5	8	6	2	1	0	0	0	2	3	3	4	2	0	0	0	3
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0
MEAN	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	3	3	3

PERCENTAGE OF DATA VALID - 99

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	13	3	7	8
FEB	28	3	8	12
MAR	31	4	6	10
APR	25	5	11	14
MAY	25	5	8	12
JUN	15	5	7	10
JUL	26	3	8	12
AUG	31	2	4	6
SEP	24	2	4	8
OCT	20	3	5	15
NOV	18	3	7	12
DEC	24	1	4	10
YEAR	280	3	11	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - CARBON MONOXIDE

UNIT - PARTS PER MILLION

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

	00 TO 01	02 TO 03	04 TO 08	09 TO 15	16 TO 40	41 & OVER	TOTAL
JAN	62	177	60	0	0	0	299
FEB	183	190	267	27	0	0	667
MAR	53	295	391	3	0	0	742
APR	72	112	274	113	0	0	571
MAY	61	125	318	50	0	0	554
JUN	9	49	226	11	0	0	295
JUL	216	139	245	15	0	0	615
AUG	223	436	54	0	0	0	713
SEP	306	202	54	0	0	0	562
OCT	111	222	118	14	0	0	465
NOV	74	182	118	21	0	0	395
DEC	297	196	27	1	0	0	521
YEAR	1667	2325	2152	255	0	0	6399

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT									ARITH MEAN	
	MIN	10	30	50	70	90	95	98	99		MAX
73	0	0.4	1.2	2.2	3.6	6.1	7.6	9.0	10.4	15	3.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

		POLLUTANT - CARBON MONOXIDE										UNITS - PARTS PER MILLION														
		STATION - EVANS/ARNOLD ETOBICOKE OAMST								NO 35033		MONTH JAN 71														
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		6	6	7	8	6	6	6	6	5	6	5	5	5	5	5	6	8	10	10	11	13	14	7	8	7
2		9	9	9	9	9	9	11	8	8	9	7	7	7	7	7	7	7	7	7	7	6	6	7	7	8
3		7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
4		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
5		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7		5	5	5	5	5	5	6	7	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
8		2	2	2	2	1	2	3	6	9	7	6	4	4	4	4	4	6	4	4	4	4	4	4	4	4
9		4	4	3	3	3	3	4	4	5	5	5	3	3	3	3	3	4	4	4	4	4	4	4	4	4
10		6	7	4	5	4	5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
11		2	2	2	2	2	3	5	8	6	4	4	4	5	5	5	5	7	5	4	4	3	3	3	3	4
12		2	2	2	2	2	2	3	5	4	4	3	3	3	3	3	3	4	5	5	5	5	5	5	5	3
13		3	3	2	2	2	2	3	5	4	4	3	3	3	3	3	3	5	5	5	5	5	5	5	5	3
14		6	5	5	5	6	6	7	9	9	9	8	8	7	7	7	8	9	7	6	6	6	6	6	6	7
15		6	5	5	5	5	5	6	7	6	7	7	6	6	5	5	6	6	6	6	6	6	6	6	6	6
16		5	5	5	4	5	5	5	5	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
17		5	7	6	5	5	5	5	5	5	5	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5
18		5	4	4	4	4	4	4	4	6	7	6	5	4	5	5	5	6	6	6	6	5	5	5	4	5
19		4	4	4	4	4	4	5	7	7	6	5	6	5	5	5	6	8	8	6	5	5	5	5	6	5
20		5	5	5	5	5	5	6	9	9	7	7	5	5	5	5	6	8	8	7	6	6	6	6	6	6
21		7	7	7	6	6	6	7	8	7	7	6	6	7	7	7	6	8	7	7	7	7	7	7	7	7
22		7	6	7	7	7	7	7	9	9	9	7	7	7	6	6	7	8	9	8	8	8	8	10	8	8
23		8	7	8	8	7	7	7	6	6	6	6	6	6	5	5	6	6	6	6	6	6	6	6	6	6
24		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
25		7	7	7	7	8	7	9	12	12	10	9	7	8	7	7	8	11	10	9	9	9	9	10	9	9
26		10	9	8	8	8	8	8	8	9	8	7	7	8	8	8	8	8	8	7	7	7	7	7	7	7
27		7	7	7	7	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
28		5	6	6	5	6	6	6	8	11	9	7	6	6	7	7	7	6	6	6	5	5	5	5	5	6
29		5	5	5	5	5	5	5	7	6	6	6	6	6	6	6	6	7	7	6	6	6	6	6	6	6
30		6	6	6	6	6	6	6	6	6	5	5	5	5	6	6	6	5	5	5	5	5	5	5	5	5
31		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
MEAN		6	6	5	5	5	5	6	7	7	6	6	5	6	5	5	6	7	7	6	6	6	6	6	6	6

PERCENTAGE OF DATA VALID - 94

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

		POLLUTANT - CARBON MONOXIDE											UNITS - PARTS PER MILLION													
		STATION - EVANS/ARNOLD ETOBICOKE OAMST								NO 35033			MONTH FEB 71													
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		5	5	5	5	5	5	5	6	7	6	6	6	6	6	5	5	5	6	6	6	6	6	6	6	6
2		6	6	7	7	7	6	7	8	8	7	6	7	6	6	6	5	7	7	6	6	7	6	6	7	7
3		6	7	6	6	6	6	6	9	10	10	9	9	8	7	7	8	9	9	8	7	7	7	7	8	8
4		9	8	7	6	6	6	7	7	7	7	7	7	7	8	8	8	8	8	7	7	7	7	7	7	7
5		7	7	7	7	7	7	7	9	9	9	9	9	8	8	8	8	8	8	7	7	7	7	7	7	8
6		7	7	7	7	7	7	7	7	7	7	7	7	6	6	7	7	7	7	7	8	8	8	7	8	7
7		8	9	8	8	8	8	8	7	8	8	8	7	7	7	7	7	7	8	9	9	8	8	8	8	8
8		8	8	8	8	7	8	8	9	10	9	8	8	9	8	8	8	9	9	9	9	9	9	9	9	8
9																										
10																										
11																										
12																										
13																										
14																										
15		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
16		9	9	9	9	9	9	9	9	9	9	9	11	12	11	13	11	10	10	10	9	10	10	9	10	10
17		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
18		9	9	8	8	8	8	8	8	8	8	8	8	8	9	10	10	10	11	11	16	17	16	16	14	10
19		13	13	13	12	11	11	11	11	10	10	9	10	10	9	9	9	9	9	9	9	9	9	9	9	10
20		9	9	8	8	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	9
21		9	9	8	8	8	8	8	9	8	9	10	10	10	11	10	10	10	11	9	9	9	9	9	9	9
22		4	4	4	4	4	4	4	4	5	5	5	5	6	6	6	6	6	6	6	5	5	5	5	5	5
23		3	3	3	3	3	3	4	4	4	4	4	4	3	2	3	4	4	4	4	4	4	4	4	4	4
24		3	3	3	4	4	4	4	4	5	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4
25		3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	4	3	3	3	4	5	5	3	4	3
26		4	5	7	7	9	8	6	7	9	10	7	4	3	3	5	7	7	6	5	5	5	5	5	4	6
27		4	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2
28		4	4	4	5	5	5	6	6	7	7	7	8	8	8	9	9	9	9	10	10	11	12	11	12	8
MEAN		7	7	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	8	7	8	7	7	7	7	7

PERCENTAGE OF DATA VALID - 71

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST NO 35033

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	8	8	8	7	7	8	8	10	11	8	8	8	8	8	****	3	6	7	8	8	8	8	7	7	7	8
2	7	7	7	7	6	6	8	11	12	9	5	6	6	7	7	7	8	7	8	8	9	7	7	6	7	
3	6	5	5	5	5	5	6	8	7	6	7	7	6	6	6	6	7	8	7	6	6	6	5	6	5	
4	5	5	5	5	5	5	5	6	6	6	5	6	5	4	6	6	6	6	6	6	6	5	5	6	6	
5	6	6	6	6	6	6	7	8	8	7	7	7	7	7	7	8	7	8	8	9	9	9	9	7	7	
6	9	7	7	6	7	7	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
7	6	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6	7	6	6	6	6	6	6	6	
8	5	6	6	6	6	6	3	8	8	7	7	6	7	6	5	6	7	7	6	6	6	5	5	5	6	
9	5	5	5	5	5	5	6	7	7	6	6	6	6	6	6	6	7	6	7	7	6	6	6	6	6	
10	6	6	6	6	7	6	8	13	18	10	7	6	6	6	7	7	8	7	7	7	7	7	7	7	8	
11	7	7	7	7	7	7	7	8	8	8	7	7	7	7	7	8	8	8	9	10	13	9	9	9	8	
12	8	7	6	7	7	7	10	14	15	13	8	7	7	6	6	6	6	10	11	12	11	11	9	9	9	
13																										
14																										
15	****	****	****	****	****	****	****	****	****	****	13	14	14	DATA MISSING	DATA MISSING	****	****	****	****	****	****	****	****	****	****	
16																										
17																										
18	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	14	13	12	11	11	****	****	****	****	
19	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	13	15	13	15	12	12	12	12	12	
20	11	12	12	12	12	13	13	14	14	13	12	12	12	12	12	12	12	12	12	12	12	12	11	11	12	
21	11	11	10	10	10	9	9	9	10	10	10	10	10	10	11	11	10	10	11	11	11	11	12	12	10	
22	11	10	10	10	10	10	12	14	14	12	10	10	9	10	10	7	9	9	9	9	8	9	9	9	10	
23	9	9	8	8	8	8	10	12	12	9	9	9	8	8	8	8	9	9	8	8	8	8	8	8	9	
24	8	7	7	7	7	7	8	9	8	8	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	
25	7	7	7	7	7	7	9	11	9	9	9	8	7	7	7	8	8	8	9	9	11	11	11	10	8	
26	7	7	7	7	7	9	9	11	8	8	8	8	8	8	7	4	5	6	5	6	5	5	5	5	6	
27	7	10	8	7	6	6	6	6	5	5	5	5	5	5	5	5	5	5	6	5	5	5	5	5	6	
28	5	5	5	4	4	4	5	5	5	5	5	5	5	5	5	6	6	7	6	6	5	5	5	5	6	
29	6	6	6	6	6	6	7	8	8	7	6	6	6	6	6	6	7	7	7	6	6	6	6	6	6	
30	5	5	5	5	5	6	6	7	7	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	6	
31	6	6	6	6	6	6	8	10	7	5	6	6	5	5	5	6	7	6	6	6	5	6	6	6	6	
MEAN	7	7	7	7	7	7	8	9	9	8	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	

PERCENTAGE OF DATA VALID - 78

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST NO 35033

MONTH APR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	7	6	7	7	7	8	9	9	8	7	7	7	7	8	8	11	10	8	9	8	8	8	8	8
2	8	8	8	7	7	7	7	8	8	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7
3	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6
4	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6
5	5	5	6	6	6	6	7	10	9	6	6	6	6	6	6	6	7	7	7	7	8	7	7	7	7
6	7	7	5	5	5	6	8	9	8	7	5	5	5	5	5	9	9	9	9	12	13	12	8	8	8
7	7	7	5	10	8	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
8	11	11	10	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20	6	6	6	6	6	6	7	9	10	8	6	5	5	5	5	5	6	6	6	6	7	7	7	7	6
21	8	9	8	7	7	7	7	8	8	7	6	6	6	7	7	7	8	8	8	8	8	8	8	8	7
22	7	7	7	7	7	7	8	8	8	7	7	7	7	6	6	6	7	7	7	8	8	8	8	8	7
23	8	8	7	7	7	7	8	9	8	7	7	7	6	6	6	6	7	7	7	7	7	7	8	8	7
24	8	7	7	7	7	7	7	7	7	8	8	7	7	7	7	7	7	8	8	8	8	8	8	8	7
25	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8
26	8	8	8	8	8	8	9	11	10	8	8	8	8	8	7	7	8	8	7	7	8	8	8	8	8
27																									
28																									
29																									
30																									
MEAN	8	8	8	7	7	7	8	8	8	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	7

PERCENTAGE OF DATA VALID - 58

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST NO 35033

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1																										
2												- DATA MISSING -														
3												- DATA MISSING -														
4												- DATA MISSING -														
5	11	10	10	10	11	11	14	14	13	11	10	10	9	9	9	11	10	8	8	8	10	13	15	18	15	10
6	9	9	10	10	10	11	14	16	14	11	8	7	7	7	8	8	8	8	8	8	11	14	12	11	10	
7	13	10	10	10	9	9	10	11	10																	
8												- DATA MISSING -														
9																										
10																										
11	8	8	8	8	8	11	12	11	9	8	9	9	8	8	9	8	7	7	7	7	9	10	9	8	10	
12	10	9	9	8	8	8	11	13	12	11	11	10	9	9	8	8	8	8	8	8	8	8	9	10	9	
13	10	10	11	10	10	11	12	12	11	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	
14	9	8	8	8	10	11	12	12	9	7	7	7	7	7	8	8	8	8	8	8	8	8	8	9	9	
15	11	13	11	11	12	12	11	10	9	8	8	8	8	8	8	8	9	9	9	9	9	11	9	10	9	
16	9	9	9	9	10	9	9	9	9	9	9	10	10	10	10	10	9	9	9	9	9	9	9	9	10	
17																										
18	14	9	8	7	7	9	10	9	8	7	7	7	8	8	8	9	9	10	10	12	11	9	10	9	9	
19	9	8	8	8	8	9	11	11	10	10	10	10	10	10	10	11	10	9	9	9	10	9	10	10	10	
20	9	9	9	9	8	9	11	11	9	8	8	8	9	9	9	9	9	8	8	8	9	9	9	9	9	
21	8	8	8	8	9	10	12	11	8	8	9	8	8	8	8	9	9	8	8	8	8	8	8	8	9	
22	8	7	7	7	8	8	8	8	8	7	8	8	8	8	8	8	8	8	8	8	8	8	8	10	8	
23	8	8	8	8	8	8	8	8	8	7	7	8	8	8	8	8	8	7	7	8	8	8	8	8	8	
24	10	8	8	8	8	8	8	8	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
25	9	9	9	9	9	13	13	14	12	10	10	10	9	9	9	10	10	10	10	10	9	9	9	9	10	
26	9	9	9	9	9	9	10	11	10	9	9	9	10	10	10	10	10	10	10	10	9	9	9	9	10	
27	9	8	8	8	9	10	12	12	11	10	9	9	9	9	9	10	10	10	10	10	10	10	11	11	10	
28	12	9	8	9	9	10	11	12	11	11	11	10	10	9	9	9	9	8	8	8	9	10	12	12	10	
29	11	10	10	9	11	10	11	10	10	8	8	8	8	8	9	9	8	8	8	9	10	11	16	15	10	
30	14	11	10	9	9	9	11	12	11	11	9	9	9	9	9	9	9	9	9	10	11	11	11	11	10	
31																										
MEAN	10	9	9	9	9	10	11	11	10	9	9	9	9	9	9	9	9	8	8	9	9	10	10	10	9	

PERCENTAGE OF DATA VALID - 73

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST NO 35033

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	9	9	9	9	10	13	13	10	9	9	9	9	9	11	9	9	8	8	9	8	8	9	9	9
2	8	8	8	7	9	10	12	13	11	10	11	12	13	13	11	11	13	12	11	12	14	12	11	11	11
3	11	11	12	12	12	13	15	15	13	12	12	13	12	12	12	12	12	11	11	12	12	12	12	13	12
4	13	11	12	12	12	14	14	14	13	13	11	12	12	12	12	11	11	12	12	12	12	11	11	12	12
5	13	12	10	9	8	9	9	9	9	9	8	8	8	8	8	8	9	9	9	10	11	11	12	12	10
6	12	12	11	10	10	10	9	9	9	9	9	9	10	11	10	10	11	11	12	14	18	13	12	11	11
7	11	11	11	11	11	13	14	13	13	13	13	12	12	12	12	13	12	12	13	13	12	12	12	12	12
8	12	12	12	12	13	14	19	16	14	13	13	13	13	13	13	13	12	12	12	11	11	11	11	10	13
9	10	10	10	10	10	11	12	13	11	11	10	10	10	10	11	12	12	11	11	12	11	11	11	11	11
10	10	10	10	10	10	12	15	13	11	10	10	10	10	10	12	11	9	8	8	8	9	10	14	18	11
11	13	10	13	14	13	14	14	13	10	8	8	7	7	7	7	11	9	8	8	8	8	8	8	8	10
12	10	10	11	10	11	11	10																		
13																									
14																									
15	11	11	11	11	11	13	14	14	12	12	12	12	12	12	12	13	12	11	11	11	11	11	11	11	11
16	12	12	12	12	12	14	15	14	13	12	12	12	12	12	12	12	12	12	12	13	13	13	13	13	12
17	15	16	14	14	14	16	15	14	14																
18	15	16	17	16	17	17	19	20	18	18	17	17	16	16	16	12	12	12	12	15	16	16	16	16	16
19	16	16	17	17	17	18	18	18	16	15	14	14	16	16	16	16	16	16	16	16	16	16	16	16	16
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	12	12	12	12	12	13	14	14	12	12	12	11	12	12	12	12	12	11	11	12	12	12	12	12	12

PERCENTAGE OF DATA VALID - 54

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - EVANS/ARNOLD ETOBICOKE CAMST NO 35033

MONTH DEC 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA MISSING -													
2												- DATA MISSING -													
3												- DATA MISSING -													
4												- DATA MISSING -													
5												- DATA MISSING -													
6												- DATA MISSING -													
7												- DATA MISSING -													
8												- DATA MISSING -													
9												- DATA MISSING -													
10												- DATA MISSING -													
11												- DATA MISSING -													
12												- DATA MISSING -													
13												- DATA MISSING -													
14												- DATA MISSING -													
15												- DATA MISSING -													
16												- DATA MISSING -													
17												- DATA MISSING -													
18												- DATA MISSING -													
19												- DATA MISSING -													
20	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	3	4	4	4	4	4	3	3	3	****
21	3	3	3	3	3	4	4	5	5	4	5	4	3	3	3	4	4	3	3	3	3	2	2	2	3
22	2	2	2	2	2	2	2	4	4	3	3	3	4	5	5	4	5	5	6	6	8	9	6	2	4
23	2	2	2	2	2	2	3	4	4	3	4	****	2	2	2	2	1	1	1	1	1	1	1	1	2
24	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
25	1	1	1	1	1	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	2	1
26	2	1	1	2	2	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2
27	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	0	0	0	1	2	4	4	2	1
28	3	3	2	1	1	1	3	4	5	4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
29												- DATA MISSING -													
30												- DATA MISSING -													
31												- DATA MISSING -													
MEAN	2	2	2	2	2	2	2	3	3	2	3	2	2	2	2	2	2	2	2	2	3	3	2	2	2

PERCENTAGE OF DATA VALID - 25

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - EVANS/ARNOLD ETOBICOKE OAMST NO 35033

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	6	9	14
FEB	22	7	10	17
MAR	27	8	12	18
APR	22	7	9	13
MAY	26	9	10	18
JUN	18	12	16	20
JUL		DATA MISSING		
AUG		DATA MISSING		
SEP		DATA MISSING		
OCT		DATA MISSING		
NOV		DATA MISSING		
DEC	9	2	4	9
YEAR	155	8	16	20

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - CARBON MONOXIDE

UNIT - PARTS PER MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST NO 35033

	00 TO 01	02 TO 03	04 TO 08	09 TO 15	16 TO 40	41 & OVER	TOTAL
JAN	1	81	575	47	0	0	704
FEB	0	53	291	135	4	0	483
MAR	0	2	440	143	1	0	586
APR	0	0	353	66	0	0	419
MAY	0	0	203	338	3	0	544
JUN	0	0	31	318	42	0	391
JUL		DATA MISSING					
AUG		DATA MISSING					
SEP		DATA MISSING					
OCT		DATA MISSING					
NOV		DATA MISSING					
DEC	76	75	34	1	0	0	186
YEAR	77	211	1927	1048	50	0	3313

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
65	0	3.3	5.6	6.9	8.3	11.1	12.4	14.1	15.6	20	7.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - HIGHWAY 7 AND 400 TORONTO

NO 48001

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1												- DATA MISSING -														
2												- DATA MISSING -														
3												- DATA MISSING -														
4												- DATA MISSING -														
5												- DATA MISSING -														
6												- DATA MISSING -														
7												- DATA MISSING -														
8												- DATA MISSING -														
9												- DATA MISSING -														
10												- DATA MISSING -														
11												- DATA MISSING -														
12												- DATA MISSING -														
13												- DATA MISSING -														
14												- DATA MISSING -														
15												- DATA MISSING -														
16												- DATA MISSING -														
17	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0		1	1	0	0	0	1	1	1	1	****
18												- DATA MISSING -														
19												- DATA MISSING -														
20												- DATA MISSING -														
21												- DATA MISSING -														
22	****	****	****	****	****	****	****	****	****	****	****	0	0	0	1		1	1	2	3	3	2	2	2	****	
23	3	2	2	2	2	2	3	1	1	1	0	1	1	1	1		2	2	3	3	2	2	2	2		
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	2	2	2	1	1	1		
25	1	1	1	0	0	0	1	1	1	1	1	1	1	2	2		2	2	1	0	0	0	0	0		
26	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1		1	2	4	4	3	3	3	2	1	
27	2	2	2	1	1	1	1	1	1	1	1	2	2	3	3		3	3	3	3	4	2	2	2		
28	2	2	1	1	1	1	1	2	2	2	****	2	2	2	2		2	3	4	4	3	2	3	2		
29	1	1	1	2	1	2	1	1	1	1	2	0	1	1	1		3	3	4	4	3	3	2	2		
30	2	1	1	1	1	1	2	3	1	1	2	2	1	1	1		2	2	2	2	2	1	1	1		
MEAN	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1		2	2	3	3	2	2	2	2	1	

PERCENTAGE OF DATA VALID - 29

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - HIGHWAY 7 AND 400 TORONTO

NO 48001

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	1	1	2	2	1	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	2	3	4	4	4	2	2	2	1	****
13	0	0	1	1	1	1	2	2	2	2	2	2	1	1	1	0	0	2	2	1	1	0	0	1	
14	0	0	0	0	0	0	0	0	0	****	1	0	1	0	1	1	2	3	3	2	1	1	1	1	
15	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	3	2	1	
16	2	2	2	1	1	1	1	1	0	****	****	0	0	0	0	0	0	2	2	1	0	1	1	1	
17	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	3	2	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	
19	0	1	1	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	1	1	1	1	
21	1	1	1	1	0	0	1	0	1	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1	
22	2	2	1	1	1	1	1	2	1	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
23													- DATA MISSING -												
24													- DATA MISSING -												
25													- DATA MISSING -												
26													- DATA MISSING -												
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
31													- DATA MISSING -												
MEAN	1	1	1	0	0	0	0	0	0	1	0	0	1	0	1	1	1	2	2	2	1	1	1	1	1

PERCENTAGE OF DATA VALID - 35

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - HIGHWAY 7 AND 400 TORONTO

NO 48001

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
2												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
3												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
4												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
5												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
6												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
7												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
8												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
9												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
10												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
11												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
12												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
13												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
14												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
15												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
16												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
17												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
18												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
19												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
20												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
21												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
22												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
23												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	1	1	1	1	2	2	2	2	2	2	2	2	0	1	1	2	2	3	3	2	2	1	1	1	.....
26	2	2	2	1	1	1	2	2	1	1	2	2	3	3	3	3	4	3	3	3	2	2	2	2	2
27	1	1	1	1	1	1	2	2	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
28												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
29												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
30												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
31												- DATA MISSING -	- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
MEAN	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	1	2

PERCENTAGE OF DATA VALID - 9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - HIGHWAY 7 AND 400 TORONTO

NO 48001

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
2													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
3													- DATA MISSING -	- DATA MISSING -	- DATA MISSING -										
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
5	1	1	1	1	1	1	1	1	3	3	1	1	1	1	2	2	2	3	2	2	2	2	1	1	2
6	2	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	0
9	1	1	0	0	0	0	0	1	2	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
12	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	1	1	1	2	3	2	2	2	3	4	4	.....	3	3	3	3	1	1	1	2
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	6	3	2	1	1	1
17	2	4	2	1	1	1	1	2	3	3	3	3	3	3	4	4	5	7	7	6	4	4	3	3	3
18	3	3	3	3	3	2	2	3	4	6	8	5	4	4	5	5	5	5	6	6	5	4	4	4	4
19	4	4	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2
20	2	3	3	2	3	3	2	3	3	2	2	2	2	2	2	2	2	1	2	1	1	2	2	2	2
21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
22	1	2	2	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	0	0	0	0	0	0	.....
23	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	2	1	2	1	1	1	0	1
24	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	0	0	1	0	0	1	0
25	1	1	0	0	0	0	0	1	1	0	0	0	1	1	1	1	0	0	1	1	1	0	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1
27	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2
28	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	1	1	1	1	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1

PERCENTAGE OF DATA VALID - 86

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - HIGHWAY 7 AND 400 TORONTO

NO 48001

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA MISSING		
FEB		DATA MISSING		
MAR		DATA MISSING		
APR		DATA MISSING		
MAY		DATA MISSING		
JUN	10	1	2	4
JUL	13	1	1	4
AUG	4	2	2	4
SEP		DATA MISSING		
OCT		DATA MISSING		
NOV	27	1	4	8
DEC	18	1	3	5
YEAR	72	1	4	8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - CARBON MONOXIDE

UNIT - PARTS PER MILLION

STATION - HIGHWAY 7 AND 400 TORONTO

NO 48001

	00 TO 01	02 TO 03	04 TO 08	09 TO 15	16 TO 40	41 & OVER	TOTAL
JAN		DATA MISSING					
FEB		DATA MISSING					
MAR		DATA MISSING					
APR		DATA MISSING					
MAY		DATA MISSING					
JUN	120	87	7	0	0	0	214
JUL	217	44	3	0	0	0	264
AUG	23	46	1	0	0	0	70
SEP		DATA MISSING					
OCT		DATA MISSING					
NOV	453	136	31	0	0	0	620
DEC	337	50	6	0	0	0	393
YEAR	1150	363	48	0	0	0	1561

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
42	0	0.1	0.4	0.7	1.0	1.9	2.7	3.5	4.2	8		1.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
10	2	2	2	2	1	1	1	2	2	2	1	2	1	1	1	1	1	2	1	2	2	2	2	1	1
11	1	0	0	1	1	1	1	1	4	3	2	1	1	2	1	3	3	3	2	3	3	2	2	2	2
12	2	2	2	2	2	2	2	2	4	3	3	3	3	4	4	4	4	5	3	4	4	2	2	1	3
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	***	***	1
14													- DATA MISSING -												
15	***	***	***	2	2	1	0	0	1	1	1	0	1	1	1	1	2	2	2	2	2	2	2	2	1
16	***	***	***	***	***	***	***	1	0	0	0	0	0	0	0	0	1	2	2	4	7	12	9	5	3
17	2	2	1	1	1	1	1	1	3	2	2	2	2	2	2	2	4	3	2	2	2	2	2	3	2
18	4	4	4	4	4	4	3	10	16	16	5	2	3	3	3	3	2	3	2	2	2	2	2	1	4
19	1	1	1	1	1	1	1	2	1	1	0	0	0	1	0	1	3	3	3	2	2	2	2	2	1
20	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2
22	2	2	1	1	1	1	1	2	2	2	1	1	1	1	2	2	3	2	2	2	1	2	2	2	2
23	1	1	1	1	0	1	0	1	1	1	0	0	0	0	***	3	0	***	***	***	0	0	0	1	1
24	1	1	1	1	1	1	2	2	2	1	1	0	***	***	3	3	4	5	6	5	4	4	4	3	3
25	3	3	2	3	2	3	5	5	4	4	5	5	6	5	2	3	4	11	12	11	9	7	7	5	5
26	5	5	4	4	3	3	4	7	6	4	3	4	2	2	2	3	4	3	3	3	3	3	2	2	4
27	2	2	1	2	1	1	1	1	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	0	1
28	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
MEAN	2	2	1	2	1	1	1	2	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2

PERCENTAGE OF DATA VALID - 64

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	0	2	1	1	0	0	1	***	1	1	1	2	3	5	5	4	4	3	2
2	4	6	5	4	2	0	0	3	3	2	3	1	1	0	1	0	0	2	2	2	3	2	2	2	2
3	1	1	0	0	0	0	1	2	2	1	2	2	1	1	1	1	2	2	1	0	0	1	1	1	1
4	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	1	1	1	2	2	2	2	1	1
6	1	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	4	2	1	1	1	1	2
7	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	3	2	2	1
8	1	1	0	0	1	1	2	2	2	2	2	2	1	2	1	1	1	0	1	1	1	0	0	0	1
9	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	1
10	1	1	1	1	1	1	1	2	3	5	5	3	2	2	1	2	7	3	3	4	3	3	2	1	2
11	1	1	1	1	1	1	1	2	3	2	1	2	2	6	3	3	3	2	3	2	3	4	4	3	2
12	3	2	2	2	2	2	3	5	7	4	4	4	3	2	2	2	3	5	6	6	5	6	8	11	4
13	9	7	4	4	4	3	3	4	3	2	3	4	3	2	2	3	3	3	5	6	6	4	3	3	4
14	6	5	4	4	3	3	3	3	3	2	2	2	2	2	2	3	3	4	5	3	3	2	3	3	3
15	2	2	2	2	2	2	8	6	3	4	4	4	4	9	7	3	2	4	3	3	1	1	1	1	3
16	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
17	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	2	2	2	2	2	2	1	1
18	1	1	1	1	1	1	0	1	2	1	1	0	1	1	1	1	1	1	1	1	3	2	2	2	1
19	1	2	2	2	1	1	1	2	1	1	2	1	1	1	1	0	1	1	1	1	1	0	0	0	1
20	1	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	1	1	1	1	1	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	3	3	0
25	0	0	0	0	0	0	0	1	1	0	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1
26	2	1	1	1	1	1	1	3	4	3	2	1	1	1	1	1	2	3	4	4	4	5	6	2	2
27	4	2	2	3	2	1	1	2	1	2	1	1	2	2	2	2	2	3	3	3	3	3	2	2	2
28	3	3	2	2	2	2	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
29	***	***	***	***	***	***	***	***	***	***	***	***	3	4	4	4	3	2	3	3	3	2	2	2	***
30	1	1	1	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
31													- DATA MISSING -												
MEAN	2	1	1	1	1	1	1	2	2	1	2	1	1	2	1	1	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 90

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE													UNITS - PARTS PER MILLION													
STATION - MACDONALD GDNS. OTTAWA													NO 51001													
													MONTH APR 71													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	....	....	....	....	....	....	....	....	....	....	....	1	2	1	2	1	2	2	2	2	2	2	2	2	....
2	2	1	1	1	1	1	2	4	5	5	2	2	2	1	3	3	4	3	2	2	2	2	2	2	2	
3	1	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	
4	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1	
5	1	0	1	1	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	2	2	2	1	1	1	
6	1	1	0	1	1	0	1	2	3	2	1	0	....	0	1	1	3	3	3	3	2	2	1	1	1
7	2	1	1	0	0	0	0	2	2	0	1	1	1	1	1	1	1	1	1	1	1	0	3	2	2	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	3	2	6	4	0	0	
9	2	3	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	4	2	3	1	
10	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	
11	2	2	3	2	2	2	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	6	3	3	
12	6	3	3	2	2	2	3	3	3	3	3	4	4	4	3	3	4	6	5	4	3	3	3	2	3	
13	2	2	2	2	2	2	2	4	6	4	2	2	3	3	3	2	3	2	2	2	2	1	1	2	2	
14	2	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	2	2	2	2	1	1	1	1	
15	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	2	2	2	2	2	1	1	1	1	
16	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	3	3	2	3	2	2	2	2	2	
17	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	2	3	2	2	2	2	2	
18	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	2	2	2	
19	2	2	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2	3	3	3	3	2	2	3	2	
20	1	1	2	1	1	1	1	2	2	1	1	2	2	2	2	2	3	4	3	2	1	2	1	1	2	
21	1	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	2	2	1	1	0	0	0	1	
22	0	0	0	0	0	0	0	0	0	0	0	0	....	....	....	2	2	2	2	2	2	1	1	1	1
23	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	2	1	2	2	3	3	4	3	2	2	
24	3	3	3	2	2	2	1	1	1	1	2	2	2	4	2	3	3	2	2	2	2	2	2	2	2	
25	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	
26	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	3	2	2	3	4	3	3	2	2	
27	2	2	2	1	1	1	2	2	2	1	....	1	1	1	1	1	2	2	2	2	2	2	2	2	2
28	1	1	1	1	1	1	1	2	2	1	1	2	2	1	1	1	4	3	2	2	2	2	2	2	2	
29	1	1	1	1	1	1	1	2	2	....	1	2	2	2	2	2	2	2	2	2	2	2	1	1	2
30	2	1	1	1	1	1	2	3	4	2	2	2	2	2	3	3	2	3	3	3	3	2	2	2	2	
MEAN	2	1	1	1	1	1	1	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	
PERCENTAGE OF DATA VALID - 97																										

PERCENTAGE OF DATA VALID - 97

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH																											
POLLUTANT - CARBON MONOXIDE														UNITS - PARTS PER MILLION													
STATION - MACDONALD GDNS. OTTAWA														NO 51001													
														MONTH MAY 71													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	2	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	3	2	3	2	3	3	3	2		
2	2	2	2	2	2	1	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
3	2	1	1	1	1	1	1	2	2	2	1	1	2	2	4	3	4	2	2	3	1	1	1	1	2		
4	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1		
5	1	1	1	0	1	1	1	2	1	2	2	2	1	1	2	2	2	2	2	2	1	1	1	1	1		
6	1	1	1	1	0	0	1	2	1	1	1	1	1	2	2	2	2	2	2	3	3	2	2	2	2		
7	2	2	2	1	0	1	1	1	1	1	1	1	2	2	1	1	1	1	2	2	3	3	2	3	2		
8	4	1	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	3	3	2	3	6	2	1		
9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1		
10	1	0	0	0	1	1	2	1	1	2	2	0	0	1	1	1	1	1	1	3	4	4	2	2	1		
11	1	0	0	0	0	1	2	2	1	2	2	2	2	2	1	2	2	2	2	2	2	3	4	2	2		
12	3	3	3	2	2	3	5	5	5	5	6	4	3	3	3	4	4	3	3	1	1	0	0	3	2		
13	0	0	0	0	0	0	0	0	1	2	2	2	3	3	3	4	4	4	5	4	4	3	3	2	2		
14	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	4	5	4	2	2		
15	4	3	2	2	2	2	2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	4	4	4	3		
16	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	5	4	4	4	4	4		
17	4	4	4	4	4	4	5	4	4	4	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4		
18	4	4	4	3	4	4	6	7	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
27	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	4	2	2	2	2		
28	1	1	1	1	2	2	3	2	1	....	....	0	1	1	1	1	1	1	1	2	3	3	2	2	2
29	2	2	2	2	2	2	2	3	3	2	2	1	1	1	1	1	2	2	2	3	4	6	4	3	2		
30	5	4	3	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	3	3	2	2	2	2	2		
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1		
MEAN	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2		
PERCENTAGE OF DATA VALID - 73																											

PERCENTAGE OF DATA VALID - 73

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	3	2
2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	3	2	2	1	1
3	1	1	1	1	1	1	3	4	3	2	2	2	1	2	1	2	2	1	1	1	1	1	1	0	2
4	0	0	0	0	0	0	1	0	0	***	***	0	1	1	1	1	1	1	1	2	2	2	1	1	1
5	0	0	0	0	0	0	2	1	0	0	0	0	1	0	1	1	1	1	1	2	2	1	1	1	1
6	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	1	1	1	1	1	2	2	1	1	1
7	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	2	3	2	2	0	1
8	2	2	1	1	0	0	1	0	1	1	1	0	0	1	1	1	1	1	1	1	0	1	1	1	1
9	0	0	0	0	0	0	1	1	0	1	1	0	0	1	1	1	1	0	0	1	1	1	1	1	1
10	1	1	1	1	1	2	4	4	2	2	1	1	1	***	4	5	4	3	4	4	3	2	2	2	2
11	2	2	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1
14	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3	1	0	1
16	1	1	1	0	1	1	2	2	1	0	0	0	0	0	0	0	0	0	3	5	3	2	1	0	1
17	0	0	0	0	0	1	1	0	0	0	0	0	0	***	1	1	1	2	2	4	2	2	2	2	1
18	2	2	2	2	1	2	4	3	2	2	2	2	2	2	2	3	3	2	3	3	3	3	3	3	2
19	2	2	2	2	1	2	4	3	3	3	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	1	1	1	1	1	2	3	4	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2
21	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	1	2
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	2	1	1
23	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
24	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
25	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	1	1	1	1	1	1	***	1	1	2	1	0	1	1	1	1	0	0	1
27	0	0	0	0	0	0	2	1	1	1	1	1	1	1	1	2	1	1	0	1	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	5	1	2	1	1
30	1	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	1	2	1	2	1	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0
MEAN	1	1	1	1	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1

PERCENTAGE OF DATA VALID - 94

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	1	1	2	2	1	0	1	1	0	0	0	2	3	2	4	2	1	1
2	1	1	0	0	0	0	2	1	***	***	2	2	3	3	3	3	3	3	4	4	3	2	2	2	2
3	2	2	2	2	2	2	3	4	3	3	3	3	3	2	3	3	3	3	4	3	3	3	3	3	3
4	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	3	2	2	3	3	3	3	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	4	2	2	2
6	2	2	2	1	2	2	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	1	1	1	1	1	2	3	5	4	3	3	3	3	3	3	6	4	3	3	3	3	2	2	2	3
8	1	1	1	1	2	2	4	4	3	3	3	2	***	2	2	4	3	4	3	3	3	2	2	2	2
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	2	2	2	1
10	2	1	1	1	1	2	2	3	3	4	2	1	2	***	***	1	2	1	3	5	3	2	1	1	2
11	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	0	0	0
13	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	2	4	2	3	2	1	1
15	1	1	0	0	0	0	2	4	2	1	0	0	1	1	1	2	2	2	1	1	1	0	0	0	1
16	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	1	3	7	10	4	1	1	1
17	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
18	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	1	1	2	2	1	2	2	1	1
19	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	1	1	1	1	0	1	1
20	0	0	0	0	1	1	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1
21	1	1	1	1	1	2	2	2	2	***	0	1	0	0	0	1	1	1	2	6	6	4	4	5	2
22	3	3	4	4	3	2	4	6	6	5	3	1	1	1	1	1	1	2	2	1	1	1	1	1	2
23	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	0	0	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
26	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	3	4	3	2	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	1	0	0	0	0	0	0
28	0	0	0	0	0	1	1	0	0	0	0	0	2	2	2	3	3	3	3	3	3	3	2	2	1
29	2	1	1	1	1	2	3	2	2	2	2	2	2	2	1	1	1	1	2	2	1	1	1	1	2
30	0	1	0	0	1	2	2	3	2	1	***	0	1	1	1	2	1	2	3	2	3	2	2	1	1
MEAN	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1

PERCENTAGE OF DATA VALID - 98

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	2	2	2	3	2	2	2	2	3	3	2
2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	1	2
3	0	1	1	0	0	0	0	0	0	1	0	1	0	1	1	1	1	1	1	1	1	1	1	0	1
4	0	0	0	0	0	1	3	2	1	2	2	4	2	2	3	2	2	2	1	1	1	1	1	0	1
5	0	0	0	0	0	1	2	2	1	1	1	***	1	1	1	1	1	4	3	2	1	2	1	1	1
6	1	1	1	1	1	4	4	2	2	2	2	2	1	2	2	1	1	0	***	***	***	***	***	***	2
7	***	***	***	***	***	***	***	***	***	***	***	0	0	0	***	***	0	0	0	0	***	***	***	***	***
8	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	0	1	3	5	4	1	1	2	2	***
9	2	0	0	***	***	***	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1
10	1	1	1	0	0	0	1	1	1	1	1	0	1	1	1	2	3	3	3	2	1	1	0	0	1
11	***	***	***	***	***	***	***	***	***	***	***	1	1	1	0	1	1	***	***	***	***	***	***	***	***
12	***	***	***	***	***	***	1	1	***	***	***	0	0	0	0	1	0	1	1	1	1	***	***	1	***
13	1	0	***	***	0	0	1	2	2	1	1	1	1	1	1	2	1	2	2	2	2	2	2	1	1
14	1	1	1	1	1	1	2	2	3	***	3	4	4	2	2	3	3	1	7	9	9	6	2	2	3
15	2	0	***	***	***	***	2	2	1	1	0	***	0	0	1	0	1	4	4	6	9	7	6	6	3
16	1	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
17	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
18	***	***	***	***	***	***	0	2	1	1	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***
19	***	***	***	***	***	***	0	2	1	1	0	***	***	***	***	***	1	6	6	2	4	2	1	***	***
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29	2	2	1	1	1	1	4	4	2	1	1	1	1	1	1	1	3	3	3	3	4	4	4	4	2
30	3	2	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	0	0	1
31	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2	3	2	2	2	2	2	1	1
MEAN	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2	2	3	2	3	2	2	2	1

PERCENTAGE OF DATA VALID - 49

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	1	2	1	1	1	0	1	1	1	1	2	2	2	3	5	6	6	3	2
2	2	2	1	0	0	0	0	1	2	2	2	3	2	3	***	1	1	2	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	2	3	2	1	2	1	2	1	1	2	2	1	1	1	1	1	1	1
4	0	0	0	0	0	0	0	1	2	0	0	0	***	2	2	2	2	2	1	1	1	0	0	0	1
5	0	0	0	0	0	0	0	1	2	3	2	1	1	1	2	2	2	4	2	2	2	1	1	1	1
6	1	1	1	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	1	1	1	1	1
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	0	***	1	1	1	2	3	3	3	2	2	2	1	0	0
10	0	0	0	0	0	0	1	3	3	2	2	2	2	1	1	2	2	2	2	1	1	0	0	0	1
11	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	0	0	0	0	0	0	2	3	4	2	2	2	2	1	1	1	2	1	3	3	4	3	3	3	2
13	3	3	2	2	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	1	2	1	1	1	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
15	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
16	0	0	0	0	0	0	1	4	3	1	0	0	0	0	0	2	3	4	4	4	4	3	1	1	1
17	0	0	0	0	0	0	1	5	5	3	4	3	2	3	3	2	3	2	2	2	2	1	1	1	2
18	1	1	0	0	0	1	2	2	2	2	2	2	2	2	2	***	2	2	2	2	1	1	1	1	1
19	1	1	1	0	0	0	1	2	6	2	2	2	2	2	2	2	2	2	2	1	1	1	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	1	1	1	0	1	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	1	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***
24																									
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29																									
30																									
MEAN	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 74

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

MONTH DEC 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
2	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	3	1	2	1	1	1	1	*****
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
5	0	0	0	0	0	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
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31																									
MEAN	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	2	1	1	1	1	1	1	0
PERCENTAGE OF DATA VALID -																									8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - MACDONALD GDNS. OTTAWA

NO 51001

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA MISSING		
FEB	20	2	5	16
MAR	30	2	4	11
APR	30	2	3	6
MAY	24	2	4	8
JUN	27	3	9	11
JUL	27	1	2	9
AUG	31	1	2	5
SEP	30	1	3	10
OCT	21	1	3	9
NOV	23	1	2	6
DEC	4	0	0	3
YEAR	267	2	9	16

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - CARBON MONOXIDE

UNIT - PARTS PER MILLION

STATION - MACDONALD GDNS. OTTAWA

NO 51001

	00 TO 01	02 TO 03	04 TO 08	09 TO 15	16 TO 40	41 & OVER	TOTAL
JAN	DATA MISSING						
FEB	193	180	52	7	2	0	434
MAR	401	209	59	3	0	0	672
APR	315	361	28	0	0	0	704
MAY	235	224	89	0	0	0	548
JUN	156	223	178	32	0	0	589
JUL	389	199	17	1	0	0	606
AUG	519	171	16	0	0	0	706
SEP	431	248	32	1	0	0	712
OCT	224	116	25	3	0	0	368
NOV	404	115	16	0	0	0	535
DEC	57	3	0	0	0	0	60
YEAR	3324	2049	512	47	2	0	5934

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT									MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99		
74	0	0.2	0.5	0.9	1.5	2.9	4.2	6.3	7.7	16	1.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - MEMORIAL PK,CORNWALL

NO 56051

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
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11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
20													- DATA MISSING -												
21	****	****	****	****	****	****	****	****	****	****	****	****	DATA MISSING	****	****	0	1	1	1	1	1	1	1	1	****
22	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
23	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1
24	3	3	2	2	2	2	3	3	4	4	4	3	3	1	1	1	1	2	2	2	2	2	2	2	6
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	2
26	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
27	2	2	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	1	1	1	2	2	2	3	3	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - MEMORIAL PK,CORNWALL

NO 56051

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	2	2	2	2	2	3	2	2	2	2	2	3	2	2	2	2	2	2	2	3	2	2
2	2	2	2	2	2	2	2	3	2	3	2	1	0	1	2	1	1	2	2	3	4	2	3	2	2
3	2	1	2	2	1	1	2	4	3	2	2	2	***	2	1	2	2	1	2	1	2	1	1	1	2
4	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	
6	0	0	1	1	0	0	1	1	1	1	2	1	1	1	1	1	1	2	2	2	2	1	1	1	
7	1	1	1	1	1	1	0	0	1	1	1	1	1	1	2	1	1	1	2	2	2	1	1	1	
8	1	1	1	1	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	1	
9	0	1	1	1	1	1	1	1	1	1	1	0	0	1	2	***	2	2	2	2	2	2	2	2	
10	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	1	2	2	2	2	1	1	0	0	
11	0	0	0	0	0	0	0	1	1	1	***	2	1	2	2	2	2	2	1	1	0	1	1	1	
12	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	2	2	4	6	6	6	3	4	
13	9	14	7	4	3	2	2	2	3	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	
14	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	
15	0	0	1	0	0	0	0	1	1	2	4	2	2	2	1	1	1	1	0	1	1	1	1	0	
16	0	0	1	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	
17																									
18	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	
19	2	2	2	1	1	0	4	2	2	2	1	4	4	3	3	0	6	5	5	2	3	2	1	***	
20	0	2	3	2	2	3	4	4	4	6	5	6	7	7	6	7	9	8	8	9	8	8	11	6	
21	11	8	8	4	4	4	7	5	6	5	4	3	3	2	2	0	7	4	6	10	11	5	4	5	
22	0	3	10	6	6	7	7	7	6	6	6	6	5	2	2	2	2	2	2	2	3	3	2	2	
23	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	3	2	2	2	2	2	3	2	
24	2	2	2	2	2	2	2	2	2	1	1	1	***	***	***	1	1	1	1	2	2	2	2	2	
25	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	3	3	2	2	
26	2	2	2	2	2	2	2	2	2	2	2	2	1	2	3	2	3	3	3	3	5	3	4	6	
27	8	4	5	5	3	3	2	3	3	2	2	2	3	3	3	4	3	4	3	4	4	4	2	2	
28	3	3	2	2	2	2	2	2	1	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	
29	2	2	2	2	2	2	2	3	3	4	3	3	3	3	3	3	3	3	3	3	3	2	2	2	
30	3	3	4	4	4	4	4	5	5	5	5	***	3	2	2	2	2	2	2	2	2	2	3	2	
31	2	2	2	2	1	1	1	1	1	1	1	1	2	3	2	3	***	2	2	3	4	4	4	3	
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	

PERCENTAGE OF DATA VALID - 94

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - MEMORIAL PK, CORNWALL

NO 56051

MONTH APR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	3	3	4	4	3
2	3	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	4
3	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	6
4	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	8
5	8	7	7	7	7	7	7	7	8	9	9	9	9	9	9	8	8	8	8	9	9	9	9	8	8
6										9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0
7																									
8	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	1	1	1	1	1	0	0	0	0	***
9	1	2	2	2	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	2	1
10	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
11	2	2	3	3	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	3	2	3	2	2	2
12	3	3	4	4	3	3	3	2	2	1	2	2	2	2	2	3	3	3	3	3	4	3	2	2	3
13	3	3	2	2	1	2	2	2	3	2	2	1	3	3	2	2	2	2	2	2	***	***	***	***	2
14																									
15	***	***	***	***	***	***	***	***	***	***	***	2	2	2	2	1	1	1	2	2	***	***	***	***	***
16																									
17																									
18																									
19	***	***	***	***	***	***	***	***	***	***	***	0	0	0	0	1	2	2	3	3	2	***	***	***	***
20																									
21	***	***	***	***	***	***	***	***	***	***	1	1	***	3	2	1	2	2	2	2	2	1	1	1	***
22	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
23	2	2	1	1	2	2	2	2	2	2	***	***	***	***	0	0	0	0	3	9	15	13	3	5	3
24	2	4	2	3	2	2	2	2	2	2	2	1	0	0	1	1	0	0	0	0	0	0	0	1	1
25	2	2	2	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	1	0	0	1
26	1	1	1	***	***	***	***	***	***	***	***	1	1	2	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
28	***	***	***	***	***	***	***	***	***	***	***	1	1	2	1	1	7	7	7	7	7	***	***	***	***
29																									
30	***	***	***	***	***	***	***	***	***	***	***	3	2	1	1	2	3	3	2	2	2	2	2	2	***
MEAN	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3

PERCENTAGE OF DATA VALID - 60

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - MEMORIAL PK, CORNWALL

NO 56051

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	1	1	1	1	2	2	2	2	2	3	2	2	3	3	3	3	4	2	2	2	2
2	3	2	2	2	2	1	1	1	2	1	1	2	1	1	1	***	***	***	***	***	***	***	***	***	***
3																									
4	***	***	***	***	***	***	***	***	***	0	0	0	0	0	0	2	2	2	2	2	2	1	1	1	***
5	1	1	1	1	1	1	1	2	2	3	3	4	4	4	5	5	5	5	5	5	4	***	***	***	3
6	***	***	***	***	***	***	***	***	***	2	2	2	2	2	1	2	2	3	3	3	3	4	3	3	4
7	2	2	1	1	1	1	2	1	1	1	2	***	***	2	3	3	3	2	3	5	5	4	3	3	2
8	3	3	2	2	2	1	1	2	2	2	2	2	2	2	3	3	4	3	4	3	3	2	2	2	2
9	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	3	3	4	4	4	3	3	2
10	3	2	2	2	2	2	2	2	2	0	0	0	1	2	1	2	2	2	2	4	4	5	4	4	2
11	3	3	2	2	2	2	2	2	2	2	3	2	3	2	2	2	2	3	3	3	4	4	4	4	3
12	4	3	3	3	3	3	4	3	4	***	3	4	4	2	2	2	2	1	3	4	4	4	4	4	3
13	***	***	***	***	***	***	***	***	3	3	4	4	5	5	5	5	3	3	4	3	3	4	4	3	4
14	3	3	3	3	3	3	3	3	2	2	2	2	2	3	3	4	4	4	4	5	6	5	4	3	
15	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1
16	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	2	1
17	2	2	2	2	2	2	2	2	2	1	1	1	0	0	1	2	2	1	2	4	3	3	3	2	2
18	3	3	3	3	3	3	2	2	2	2	2	1	1	1	1	1	1	2	2	2	3	3	3	2	2
19	2	2	2	1	2	3	3	2	2	2	2	2	3	3	***	***	***	***	***	***	***	***	***	***	***
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									

PERCENTAGE OF DATA VALID - 51

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - MEMORIAL PK,CORNWALL

NO 56051

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	2	2	3	2	2	2	1	0	0	****
19	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
20													- DATA MISSING -												
21	****	****	****	****	****	****	****	****	****	****	****	****	1	1	1	1	1	0	1	1	1	1	1	0	****
22	0	0	0	0	1	0	0	0	****	0	****	****	****	****	0	1	1	1	1	1	1	1	0	0	0
23	0	0	1	1	1	1	0	0	****	0	****	0	1	1	1	1	2	2	3	3	2	2	1	1	1
24	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	2	2	1	1	1	2	1	1	1
25	1	1	1	1	1	1	1	0	1	1	2	2	****	****	2	2	0	2	2	2	2	2	1	1	1
26	1	1	1	1	1	1	1	1	1	1	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30	****	****	****	****	****	****	****	****	****	****	****	****	****	****	3	3	3	3	2	2	1	1	0	0	****
MEAN	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	0	1

PERCENTAGE OF DATA VALID - 18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - MEMORIAL PK,CORNWALL

NO 56051

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	0	0	0
2	0	0	0	1	1	1	1	1	0	****	****	2	2	2	1	1	1	****	****	****	****	****	****	****	****
3	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	1	1	2	3	2	3	****
4	4	4	3	3	3	3	3	2	****	****	****	****	0	0	1	1	1	2	2	2	1	1	0	0	2
5	0	1	0	1	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	1	0	0	0	1
6	0	1	1	1	1	1	2	1	1	1	1	0	0	0	0	1	1	1	2	1	1	1	1	1	1
7	2	1	1	2	2	0	****	****	****	****	****	****	2	2	3	3	3	2	2	3	2	1	1	1	2
8	1	3	1	2	2	3	2	1	0	0	0	0	****	0	0	1	2	1	1	1	1	0	0	****	1
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14	****	****	****	****	****	****	****	****	****	****	****	****	1	2	3	3	4	4	4	5	5	5	5	5	****
15	5	5	5	5	6	6	5	4	4	4	4	5	6	6	6	6	7	7	6	6	6	5	5	5	5
16	6	4	5	6	6	4	3	3	3	3	4	5	5	****	2	1	1	1	1	0	0	0	0	****	3
17													- DATA MISSING -												
18													- DATA MISSING -												
19	****	****	****	****	****	****	****	****	****	****	2	3	4	7	8	9	10	10	10	10	10	9	9	8	****
20	8	8	7	6	6	6	6	6	7	7	8	9	10	11	13	13	13	13	14	14	12	11	11	10	10
21	9	9	9	8	7	7	8	8	9	7	4	4	4	5	6	5	5	6	6	6	5	5	7	8	7
22	7	7	7	6	6	6	6	4	3	3	3	3	4	4	5	5	6	6	6	5	4	4	4	4	5
23	4	4	4	4	3	3	3	3	1	****	****	****	3	3	4	5	2	4	4	3	2	2	2	2	3
24	2	1	1	1	1	1	1	1	1	0	1	1	1	2	2	2	2	2	4	3	4	2	5	5	2
25	5	5	4	4	5	4	2	3	2	1	1	1	1	2	3	4	4	5	4	4	3	3	3	3	3
26	4	5	4	5	5	5	4	2	1	****	****	****	1	1	1	1	1	1	1	1	1	1	1	1	2
27	0	0	1	1	1	2	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	0	1	1	****	0	0	0	0	1	1	2	1	2	1	0	1
29	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	0	1
30	0	0	0	0	0	0	0	0	0	****	0	0	1	1	1	1	1	1	1	2	2	2	4	5	1
31	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	2	2	2
MEAN	3	3	3	3	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3

PERCENTAGE OF DATA VALID - 68

PERCENTAGE OF DATA VALID - 76

PERCENTAGE OF DATA VALID - 41

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - MEMORIAL PK,CORNWALL

NO 56051

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA MISSING		
FEB	7	2	2	6
MAR	30	2	6	14
APR	23	3	8	15
MAY	18	2	4	6
JUN	9	1	1	3
JUL	24	3	10	14
AUG	31	1	2	4
SEP	28	2	5	15
OCT	28	1	6	15
NOV	15	1	2	5
DEC	25	1	2	6
YEAR	238	2	10	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - CARBON MONOXIDE

UNIT - PARTS PER MILLION

STATION - MEMORIAL PK,CORNWALL

NO 56051

	00 TO 01	02 TO 03	04 TO 08	09 TO 15	16 TO 40	41 LOVER	TOTAL
JAN	DATA MISSING						
FEB	49	93	6	0	0	0	148
MAR	279	331	81	9	0	0	700
APR	153	187	78	14	0	0	432
MAY	103	219	59	0	0	0	381
JUN	101	30	0	0	0	0	131
JUL	247	106	131	24	0	0	508
AUG	588	69	2	0	0	0	659
SEP	346	206	72	5	0	0	629
OCT	393	140	28	10	0	0	571
NOV	251	41	5	0	0	0	297
DEC	494	63	5	0	0	0	562
YEAR	3004	1485	467	62	0	0	5018

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
62	0	0.2	0.5	0.8	1.5	3.1	4.6	7.0	8.5	15		1.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	1	2	2	1	1	1	0	1	1	1	1	1	3	4	4	4	5	5	5	2
2	9	5	3	1	1	0	0	0	1	1	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	0	1	0	1
4	1	0	0	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13	***	***	***	***	***	***	***	***	***	***	***	***	3	2	2	2	3	3	2	1	0	1	0	0	***
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	1	0	0	0	1	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	3	2	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	0	0	1
20	0	0	0	0	0	0	0	1	2	2	1	0	0	0	1	1	3	4	3	2	2	2	2	2	1
21	1	1	1	1	0	0	1	3	3	3	2	1	1	1	0	0	1	1	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	1	3	1	1	0	1	***	***	***	***	1	1	1	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
24	0	1	0	1	0	0	0	2	3	4	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2
25	1	0	0	0	1	1	1	1	2	1	1	1	1	1	2	2	3	3	3	3	1	0	1	1	1
26	1	1	1	1	1	0	1	1	1	1	1	4	2	2	3	1	1	1	0	0	0	0	0	0	1
27	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	0	1	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	4	3	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	3	2	2	3	3	1	1	1
30	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	2	4	0
31	5	6	4	3	2	1	0	1	1	0	0	0	0	1	0	0	1	1	2	3	4	4	4	6	2
MEAN	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 69

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	3	1	0	1	1	2	3	3	2	2	2	1	1	4	5	4	2	2	2	1	0	1	1	2
2	2	1	0	0	0	0	1	1	***	***	***	3	3	2	1	1	1	2	5	4	3	2	2	3	2
3	6	6	6	5	3	3	3	3	3	6	5	5	5	4	9	6	5	6	5	4	3	2	2	2	4
4	4	5	4	3	3	3	3	3	4	4	3	3	2	2	2	2	2	2	1	1	1	1	1	1	3
5	1	1	1	1	1	1	1	2	2	2	2	2	1	0	1	1	1	1	1	2	2	1	1	1	1
6	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	1
7	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
9	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	3	2	4	2	1	1	1	1	1	1
10	1	1	1	1	1	0	0	0	0	0	0	0	0	***	0	0	0	1	0	0	1	0	0	0	0
11	1	0	0	1	0	1	0	1	1	2	2	3	1	1	0	0	0	0	1	1	2	2	2	4	1
12	4	3	2	2	1	1	1	1	1	1	2	1	1	1	1	2	2	2	1	1	1	1	1	1	1
13	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2
14	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
15	0	0	1	1	0	0	0	0	0	1	0	0	0	1	1	0	1	1	1	0	0	1	1	1	0
16	1	2	1	1	1	1	1	2	5	7	3	2	1	2	1	1	1	1	4	2	2	1	1	1	2
17	1	1	1	1	1	0	1	1	2	2	2	2	2	2	***	***	***	***	***	3	3	3	***	***	2
18	***	***	***	***	***	***	***	***	***	***	***	***	0	1	1	1	1	1	1	1	1	1	1	2	***
19	3	2	2	1	1	1	2	2	3	2	2	2	2	2	2	2	3	3	2	2	2	3	3	2	2
20	2	2	2	2	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2	1	2	1	1	1	1
21	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	3	3	3	2	2	3	3	1
22	3	2	2	2	2	1	1	2	3	5	3	2	2	1	1	1	2	2	2	1	1	1	1	1	2
23	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	2	1	2	1	1	1	1	1	1
24	1	1	1	1	0	0	0	0	1	2	1	1	1	1	2	1	1	3	4	2	1	1	1	1	1
25																									
26																									
27																									
28																									
MEAN	2	2	1	1	1	1	1	1	2	2	2	2	1	1	2	1	2	2	2	2	1	1	1	1	1

PERCENTAGE OF DATA VALID - 82

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
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28																									
29																									
30																									
31																									
MEAN																									

PERCENTAGE OF DATA VALID - 56

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	2	1	1	1
2	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6																									
7																									
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	1	1	1	1	1	1	2	2	1	1	0	1	1	0	0	0	1	1	1	1	1	1	1	1	.....
10	0	0	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	0	0	0	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	0	0	0	0	0	0	0	0	0	0
12	1	1	1	0	0	0	0	0	0	0	.....	.....	.....	.....	.....	0	.....	0	0	.....	.....	.....	.....	.....	.....
13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	.....	.....	.....	.....	.....	0	1	2	0	.....	.....	.....	.....	.....	0	0	0	0	0	.....	.....	.....	.....	.....
16	0	0	0	0	0	.....	0	0	1	0	.....	.....	.....	.....	.....	0	1	1	2	2	1	1	1	0	1
17	0	0	0	0	0	0	1	1	1	0	0	.....	.....	.....	.....	1	1	1	1	2	1	2	2	2	1
18	1	1	0	0	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	1	2	2	2	2	3	3	2	2
19	3	3	3	3	3	3	3	3	2	2	1	1	1	1	1	2	1	1	1	1	1	1	2	2	2
20	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	3	3	2	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	.....	.....	.....	.....	.....	.....	.....	.....	0
22	0	0	0	0	0	0	0	0	.....	0	0	2	1	1	1	1	1	1	1	1	1	0	0	1	1
23	0	1	1	0	0	1	2	3	2	1	2	1	2	2	2	2	2	2	2	1	2	1	2	1	1
24	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1
25	1	1	1	1	0	0	1	2	2	2	1	1	1	1	1	1	1	3	4	5	5	5	5	5	2
26	5	4	3	2	2	2	2	3	4	3	2	1	1	1	1	1	2	4	2	2	1	2	1	1	2
27	1	1	0	0	0	0	0	1	1	1	0	1	0	1	.....	0	0	0	1	0	0	1	2	0	0
28	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
29	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 74

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - ASH ST WATER TANK SUDBURY

NO 77016

POLLUTANT - CARBON MONOXIDE

UNITS - PARTS PER MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	23	1	2	9
FEB	24	1	4	9
MAR		DATA MISSING		
APR		DATA MISSING		
MAY		DATA MISSING		
JUN		DATA MISSING		
JUL		DATA MISSING		
AUG		DATA MISSING		
SEP		DATA MISSING		
OCT	18	2	5	10
NOV	28	1	2	5
DEC	30	1	2	4
YEAR	123	1	5	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - CARBON MONOXIDE

UNIT - PARTS PER MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

	00 TO 01	02 TO 03	04 TO 08	09 TO 15	16 TO 40	41 & OVER	TOTAL
JAN	414	83	19	1	0	0	517
FEB	359	159	34	1	0	0	553
MAR		DATA MISSING					
APR		DATA MISSING					
MAY		DATA MISSING					
JUN		DATA MISSING					
JUL		DATA MISSING					
AUG		DATA MISSING					
SEP		DATA MISSING					
OCT	110	249	56	2	0	0	417
NOV	438	89	11	0	0	0	538
DEC	539	135	4	0	0	0	678
YEAR	1860	715	124	4	0	0	2703

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
74	0	0.1	0.4	0.7	1.1	2.2	3.0	4.3	5.0	10	1.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 471 UNIVERSITY WINDSOR OAMST

NO 12008

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	21	22	23	22	23	23	23	23	21	20	20	20	20	20	20	20	20	20	21	19	20	20	20	21
2	19	21	23	23	25	27	26	27	29	24	21	22	21	21	25	21	19	19	22	23	23	21	22	23	23
3	24	22	22	21	21	21	21	23	23	23	24	23	23	22	22	22	22	22	22	21	22	21	21	22	22
4	23	23	23	23	24	25	24	23	24	23	23	22	25	26	24	26	30	27	25	27	27	25	25	25	25
5	25	25	25	27	27	27	27	29	29	29	29	29	29	29	14	14	15	14	13	17	17	17	17	17	23
6	17	17	17	17	19	19	19	21	23	21	19	17	17	15	15	15	17	17	16	17	18	19	19	19	18
7	20	19	19	19	19	21	23	23	24	23	21	20	19	15	13	13	16	16	17	23	20	20	20	20	19
8	21	22	25	23	22	19	25	31	35	41	37	28	19	17	13	13	15	15	17	17	21	21	22	24	23
9	29	28	23	23	21	23	29	34	33	28	21	17	15	13	12	12	14	15	15	17	16	15	16	17	20
10	16	14	14	14	15	15	15	15	17	18	18	18	16	17	17	19	18	19	20	21	19	19	18	18	17
11	21	21	21	23	21	18	18	18	26	23	21	23	25	25	25	25	29	23	21	21	19	18	18	17	22
12	17	17	15	14	13	15	17	20	20	19	18	16	16	15	17	17	18	17	17	17	16	15	15	14	16
13	15	15	15	15	14	14	14	15	17	17	17	18	17	17	17	18	18	39	17	19	17	17	17	17	17
14	18	18	18	20	22	21	21	22	25	23	22	22	22	21	21	20	22	19	18	17	15	16	16	16	20
15	15	15	15	15	15	15	17	17	19	19	17	17	15	14	14	15	17	17	17	17	17	17	17	17	16
16	16	17	17	17	17	17	17	17	18	19	18	18	19	19	19	19	20	20	20	21	21	21	20	22	19
17	21	20	20	20	18	18	19	18	19	20	18	17	15	13	13	13	13	13	14	17	19	20	21	23	18
18	23	21	20	19	19	19	21	22	25	23	23	15	14	14	13	12	22	29	29	29	30	30	30	30	22
19	31	31	31	31	31	32	34	****	****	****	19	18	16	15	14	14	15	15	16	19	19	17	15	15	21
20	15	15	15	15	15	15	15	16	20	19	15	16	15	15	13	13	21	18	17	16	17	17	17	17	16
21	17	17	17	17	17	17	17	17	18	17	19	18	19	23	25	26	28	27	25	25	25	25	25	25	21
22	25	25	24	23	22	23	25	27	32	52	55	47	34	29	26	24	23	23	21	21	24	28	24	23	28
23	24	24	21	19	19	18	19	23	21	22	21	20	19	18	17	15	14	14	15	17	17	****	17	17	19
24	19	20	18	20	20	21	24	22	22	20	21	21	19	18	17	17	18	18	22	22	26	22	23	23	21
25	23	23	****	23	24	****	24	24	****	23	23	24	25	24	27	30	29	25	25	27	29	32	31	31	26
26	30	28	27	28	25	25	25	25	23	25	23	19	16	15	13	****	****	****	****	****	****	****	****	****	22
27	****	15	****	16	****	16	17	18	19	19	****	21	****	18	****	19	****	19	****	****	****	****	****	****	****
28	****	20	****	20	20	20	19	21	21	19	18	15	****	13	13	19	****	****	****	****	****	****	****	****	****
29																									
30																									
31																									
MEAN	21	21	20	20	20	20	21	22	23	23	22	21	20	19	18	18	20	20	19	20	21	20	20	20	20

PERCENTAGE OF DATA VALID - 85

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 471 UNIVERSITY WINDSOR OAMST

NO 12008

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													-	DATA MISSING	-										
2													-	DATA MISSING	-										
3													-	DATA MISSING	-										
4													-	DATA MISSING	-										
5													-	DATA MISSING	-										
6													-	DATA MISSING	-										
7													-	DATA MISSING	-										
8													-	DATA MISSING	-										
9													-	DATA MISSING	-										
10	****	****	****	****	****	****	****	****	****	18	15	15	13	14	14	15	15	14	16	16	15	13	11	12	****
11	11	12	12	11	11	11	11	11	15	15	11	7	10	8	11	22	22	21	21	20	19	21	21	22	15
12	19	21	23	22	22	23	25	29	35	****	26	24	22	20	19	21	17	15	11	11	9	9	9	9	19
13	9	7	6	7	9	10	11	11	11	11	15	12	10	9	9	9	10	11	11	11	13	13	13	13	11
14	14	16	16	16	17	19	20	21	19	17	14	12	10	11	11	14	17	17	17	17	17	17	16	18	16
15	20	20	21	21	21	21	23	26	26	27	17	19	17	17	16	16	16	16	15	14	13	11	11	11	18
16	13	11	9	8	8	8	11	15	21	19	14	12	11	11	11	12	11	12	11	17	20	19	15	15	13
17	13	9	7	6	6	6	10	15	21	18	15	11	13	10	13	21	24	28	28	25	23	21	23	21	16
18	21	23	23	23	24	20	18	21	25	21	20	19	18	19	19	17	24	24	20	33	34	29	33	37	24
19	21	19	15	17	24	24	20	13	7	15	13	11	15	14	14	13	15	11	13	13	14	12	10	11	15
20	10	12	12	11	15	5	7	8	12	11	7	8	7	8	8	8	9	7	7	9	8	7	7	7	9
21	8	8	8	8	8	8	7	9	9	9	9	9	17	15	15	11	18	11	11	11	****	****	****	****	10
22													DATA MISSING	-	-										
23	19	17	16	13	13	15	17	19	19	17	13	15	14	14	15	11	13	28	17	14	12	13	11	11	15
24	13	13	13	13	13	14	16	19	21	21	18	18	20	20	20	19	19	****	****	****	****	****	****	****	17
25	****	****	****	****	****	****	****	****	****	****	13	13	12	12	**	19	35	25	27	25	23	24	23	23	****
26	21	21	21	21	21	21	23	29	39	21	12	13	11	12	15	14	13	13	11	11	11	10	9	8	17
27	9	14	15	17	13	11	13	15	15	17	23	23	22	23	23	19	21	25	21	23	22	21	21	21	19
28	21	21	21	22	22	23	25	26	25	25	24	23	21	21	19	19	19	21	23	25	26	27	27	27	23
MEAN	15	15	15	15	15	15	16	18	20	18	16	15	15	14	15	16	18	18	16	17	17	17	16	17	16

PERCENTAGE OF DATA VALID - 59

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 471 UNIVERSITY WINDSOR OAMST NO 12008

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
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28																									
29																									
30																									
MEAN																									

PERCENTAGE OF DATA VALID - 89

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 471 UNIVERSITY WINDSOR OAMST NO 12008

MONTH DEC 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
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7																									
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31																									
MEAN																									

PERCENTAGE OF DATA VALID - 74

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - 471 UNIVERSITY WINDSOR CAMST NO 12008

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	20	28	55
FEB	18	16	24	39
MAR	31	18	25	73
APR	30	23	33	69
MAY	18	20	29	74
JUN	28	18	37	88
JUL	25	20	60	108
AUG	31	14	22	56
SEP	30	16	28	66
OCT	26	16	25	52
NOV	28	17	32	67
DEC	26	16	25	41
YEAR	319	18	60	108

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL HYDROCARBONS

UNIT - PARTS PER TEN MILLION

STATION - 471 UNIVERSITY WINDSOR CAMST NO 12008

	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141-200	201&OVER	TOTAL
JAN	0	313	301	22	0	0	0	0	636
FEB	56	209	118	7	0	0	0	0	400
MAR	37	406	227	17	1	0	0	0	688
APR	21	229	311	98	1	0	0	0	660
MAY	35	198	139	44	4	0	0	0	420
JUN	138	308	137	42	9	0	0	0	634
JUL	64	306	92	37	17	4	0	0	520
AUG	265	377	57	26	0	0	0	0	725
SEP	97	493	101	22	2	0	0	0	715
OCT	139	305	93	31	0	0	0	0	568
NOV	43	434	149	17	2	0	0	0	645
DEC	54	386	112	5	0	0	0	0	557
YEAR	959	3964	1837	368	36	4	0	0	7168

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT									MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99		
81	0	8.8	12.9	16.1	19.4	26.0	30.8	39.8	47.0	108	17.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - VICTORIA ST SARNIA OAMST

NO 14049

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	26	35	63
FEB	27	24	35	55
MAR	31	24	37	80
APR	24	27	50	89
MAY	29	27	46	190
JUN	30	28	40	109
JUL	31	24	40	101
AUG	30	23	39	100
SEP	25	26	44	112
OCT	31	27	45	99
NOV	30	26	43	98
DEC	31	24	39	59
YEAR	350	25	50	190

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL HYDROCARBONS

UNIT - PARTS PER TEN MILLION

STATION - VICTORIA ST SARNIA OAMST

NO 14049

	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141-200	201&OVER	TOTAL
JAN	0	50	561	129	1	0	0	0	741
FEB	0	146	379	84	0	0	0	0	609
MAR	0	168	457	89	6	0	0	0	720
APR	0	129	250	126	18	0	0	0	523
MAY	0	190	315	126	5	10	1	0	647
JUN	0	162	359	188	8	2	0	0	719
JUL	0	261	370	93	15	2	0	0	741
AUG	7	344	253	80	14	2	0	0	700
SEP	0	128	283	99	9	4	0	0	523
OCT	0	144	360	157	15	2	0	0	678
NOV	0	111	469	121	5	1	0	0	707
DEC	0	249	367	106	0	0	0	0	722
YEAR	7	2082	4423	1398	96	23	1	0	8030

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
91	10	15.9	19.7	22.7	26.4	35.6	42.5	54.8	65.2	190		25.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	14	14	14	14	13	13	13	13	13	13	15	17	18	21	33	41	35	25	22	20	19	19	18	19
2	22	22	20	18	21	50	52	65	51	51	27	25	23	22	22	27	30	24	21	19	18	18	18	29	
3	17	16	16	16	16	16	16	16	16	16	16	16	16	16	15	15	15	15	15	15	15	15	15	16	
4	15	15	15	15	15	14	14	14	16	15	15	15	15	18	18	18	18	18	18	31	25	19	17	17	
5	17	17	16	15	15	15	15	16	17	18	18	18	15	16	16	16	17	17	17	17	17	15	16	14	
6	16	16	15	15	15	15	15	17	17	17	17	17	17	18	18	18	18	19	19	19	18	17	17	18	
7	17	16	16	16	16	16	17	19	19	19	20	19	18	18	19	19	19	20	21	20	20	18	19	20	
8	20	19	18	19	19	18	18	20	21	21	20	19	18	18	32	32	29	25	24	24	24	21	21	21	
9	19	19	19	19	19	19	19	19	19	21	21	19	19	19	20	18	26	27	22	21	31	36	37	34	
10	27	23	21	21	23	23	23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
11																									
12																									
13																									
14																									
15	****	****	****	****	****	****	****	****	****	****	****	****	31	21	18	16	16	16	16	16	16	16	16	17	
16	17	17	17	17	16	16	16	16	17	17	17	21	19	18	16	16	21	23	21	19	19	19	19	20	
17	19	19	19	22	21	19	18	17	17	17	17	17	16	16	16	16	16	17	17	17	17	17	17	18	
18	17	17	17	17	17	17	17	17	17	18	17	17	17	17	16	16	16	16	16	17	17	17	17	18	
19	19	16	15	15	15	15	16	17	17	17	17	17	17	17	17	18	****	18	17	18	18	19	17	17	
20	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	21	22	21	19	19	18	18	21	
21	19	17	16	15	15	15	15	15	15	15	15	15	15	17	17	17	16	19	17	17	17	17	17	16	
22	17	17	17	17	17	17	17	19	21	19	18	18	18	19	18	19	19	21	21	21	20	24	25	23	
23	23	20	18	18	17	16	16	16	16	16	16	16	16	16	17	17	18	20	19	18	17	16	17	17	
24	16	16	****	16	15	16	16	16	15	15	15	17	****	17	17	18	18	19	18	18	17	16	16	17	
25	16	16	16	15	****	16	16	18	19	19	19	19	17	18	19	19	21	21	21	21	21	19	19	19	
26	18	19	19	20	19	17	17	17	17	15	15	15	15	15	15	15	15	15	14	14	14	14	****	16	
27	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	****	15	15	15	16	16	16	16	15	
28	15	15	15	15	15	15	15	15	15	16	16	15	15	15	15	15	16	16	16	17	17	17	17	16	
29	15	15	15	16	16	16	15	15	17	17	17	17	17	17	17	17	18	19	15	16	17	19	17	16	
30	16	****	15	14	****	14	15	15	15	15	15	15	16	17	17	16	16	18	****	16	16	16	16	17	
31	17	16	15	15	15	****	16	16	****	****	15	15	15	15	15	15	15	15	****	17	****	****	17	****	
MEAN	18	17	17	17	17	18	18	18	18	18	17	17	17	17	18	18	19	20	19	19	19	18	18	19	18

PERCENTAGE OF DATA VALID - 80

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	15	15	15	15	15	17	17	19	19	19	19	17	17	17	17	18	19	19	19	18	17	18	18	17
2	18	****	****	****	****	****	****	****	****	20	18	19	17	23	19	21	21	21	20	20	21	22	22	22	20
3	****	****	****	****	****	****	****	****	****	****	****	****	****	39	25	21	19	19	17	18	18	18	18	33	****
4	19	17	17	17	16	15	15	15	16	16	16	15	15	15	15	14	15	15	15	15	12	12	12	12	15
5	13	13	13	13	13	13	13	13	14	14	14	14	13	13	13	15	15	14	14	13	13	13	13	13	13
6	14	14	13	13	12	12	12	13	15	15	14	15	17	18	17	16	36	33	21	21	19	18	18	18	17
7	18	17	21	21	25	29	26	23	22	21	18	16	15	14	14	14	14	14	14	14	14	13	13	13	18
8	14	14	14	14	18	17	15	14	14	14	13	13	13	13	13	13	13	13	13	13	13	13	12	12	14
9	12	12	12	12	13	13	13	13	14	14	14	13	13	13	13	13	13	13	13	13	13	12	12	12	14
10	14	14	14	14	13	13	13	14	14	14	14	13	14	14	14	14	17	18	18	20	19	17	17	33	16
11	21	17	15	15	15	14	15	17	17	15	15	15	15	18	15	15	17	17	16	15	13	15	15	15	16
12	16	15	15	15	15	16	17	21	21	21	19	19	19	21	18	15	15	15	15	14	15	13	13	13	17
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12	12	12	13
14	12	12	12	12	11	11	11	12	12	12	12	12	12	13	13	13	13	13	13	13	14	14	14	14	13
15	14	13	13	13	13	13	15	16	17	17	15	15	15	15	15	15	16	16	16	19	17	19	19	23	16
16	17	17	15	15	15	15	15	18	18	16	15	15	15	14	14	14	16	16	15	15	15	15	15	15	15
17	15	15	15	16	16	17	19	19	19	19	20	18	17	15	15	16	18	19	21	26	21	23	23	29	19
18	17	18	19	17	17	17	18	20	19	17	17	****	****	18	17	18	19	16	19	22	27	23	20	18	19
19	18	17	16	16	16	14	13	14	14	15	15	14	13	15	13	13	14	13	13	12	12	12	13	12	14
20	13	12	12	12	13	13	14	16	17	15	17	17	17	16	16	17	17	18	17	15	13	13	13	13	15
21	11	12	12	12	11	11	13	12	11	12	12	11	11	13	13	12	12	12	12	13	13	13	13	13	12
22	13	12	12	11	11	11	12	12	12	12	11	11	12	12	12	13	13	13	12	13	12	11	13	13	12
23	11	11	11	11	12	12	12	13	14	13	13	13	13	13	15	14	16	15	15	14	15	13	13	12	13
24	12	12	12	11	11	11	12	12	13	13	13	13	****	****	17	17	19	18	19	23	21	17	19	21	15
25	15	15	14	15	15	15	16	21	19	15	16	16	16	17	17	16	19	22	23	23	21	21	22	22	18
26	19	19	18	18	19	19	19	21	20	22	21	21	21	21	22	23	26	25	21	20	19	18	16	16	20
27	15	15	14	12	13	12	12	13	13	13	13	13	13	15	15	17	17	17	14	14	14	13	15	14	14
28	13	13	13	13	13	13	13	13	13	13	13	13	14	14	14	14	14	14	15	15	16	15	15	15	14
MEAN	15	14	14	14	14	14	15	16	16	16	15	15	15	16	15	15	17	17	16	17	16	16	16	17	16

PERCENTAGE OF DATA VALID - 96

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	37	36	36	36	42	35	27	23	21	20	22	22	20	20	18	18	17	21	27	22	19	18	17	17	25
2	17	17	17	17	15	15	15	15	15	17	16	16	15	15	15	15	15	15	15	15	15	15	15	15	16
3	15	14	14	14	13	15	15	15	15	15	15	15	14	14	15	15	16	16	17	16	16	16	15	15	15
4	15	15	13	13	13	13	15	15	14	14	14	14	13	14	14	15	15	15	17	21	25	21	19	19	16
5	19	21	26	25	25	27	27	24	21	19	19	***	13	13	15	16	16	16	17	20	23	25	23	22	21
6	20	20	20	19	19	19	19	18	14	14	14	14	13	13	15	16	16	16	16	17	17	18	17	41	18
7	18	17	17	17	21	23	28	24	19	17	15	15	15	15	15	15	17	18	19	20	18	17	17	17	18
8	15	14	14	14	15	15	15	15	14	14	14	14	14	14	15	15	15	16	19	25	22	23	23	20	16
9	18	18	17	17	17	17	22	18	18	18	18	17	16	16	16	17	19	19	21	21	23	24	24	25	19
10	26	30	27	29	35	32	38	29	20	18	18	17	15	15	17	17	18	19	27	27	30	40	47	34	26
11	30	32	30	****	30	29	29	25	22	20	20	20	20	20	20	21	21	22	23	23	****	****	****	****	24
12													- DATA MISSING -												
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17													- DATA MISSING -												
18													- DATA MISSING -												
19													- DATA MISSING -												
20													- DATA MISSING -												
21													- DATA MISSING -												
22													- DATA MISSING -												
23													- DATA MISSING -												
24													- DATA MISSING -												
25													- DATA MISSING -												
26	****	****	****	****	****	****	****	****	****	****	****	****	12	14	12	12	13	13	14	17	14	15	17	14	****
27	13	12	12	11	11	11	13	12	14	11	11	11	11	11	13	13	13	14	14	16	15	15	15	15	13
28	14	15	15	15	15	16	14	13	17	14	13	17	19	13	11	11	9	9	11	15	19	26	33	15	15
29	42	26	19	19	17	15	13	12	11	9	9	9	9	9	10	12	10	9	15	16	21	23	37	27	17
30	29	23	25	19	27	35	24	29	33	29	21	17	15	15	15	15	15	15	15	15	23	27	21	23	22
31	23	21	31	26	23	21	19	18	15	15	13	23	23	27	31	26	23	21	21	22	21	22	21	21	22
MEAN	22	21	21	19	21	21	21	19	18	17	16	16	15	15	16	16	16	16	16	18	19	20	21	22	19

PERCENTAGE OF DATA VALID - 52

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	21	19	17	17	17	17	17	16	15	15	15	****	****	****	12	9	9	10	10	13	16	12	11	15
2	11	11	12	12	13	13	12	15	13	25	30	22	28	24	21	17	19	17	18	16	14	14	17	14	17
3	18	16	16	17	15	15	12	13	15	17	19	19	19	17	16	16	15	14	14	15	20	29	30	19	17
4	21	17	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8	****	****	****	****	****	****	****	****	****	****	****	****	19	19	10	10	10	10	10	10	10	12	13	13	****
9	11	11	11	11	11	11	10	9	7	5	5	5	3	5	6	5	5	5	11	10	10	11	17	17	9
10	15	15	13	13	13	11	10	9	6	5	3	3	4	4	4	5	5	5	6	6	7	9	12	9	8
11	9	9	9	9	11	9	11	11	9	7	6	6	5	5	6	8	9	9	10	10	9	15	18	11	9
12	9	9	9	12	13	17	16	11	7	5	7	7	7	9	11	11	10	9	11	17	16	26	31	19	12
13	16	15	13	12	12	12	10	10	9	7	7	9	10	10	10	10	10	10	11	11	11	11	13	12	11
14	10	10	10	10	10	13	9	12	12	13	10	9	9	7	7	7	8	7	11	12	14	18	19	13	11
15	13	13	16	15	15	15	13	11	8	7	6	6	7	****	****	13	9	7	7	7	9	9	10	10	10
16	10	14	14	13	12	13	11	9	7	5	5	6	6	6	6	6	7	9	11	11	11	13	17	15	10
17	16	18	19	21	19	19	19	15	10	8	8	8	8	13	18	20	21	24	25	23	19	18	32	23	18
18	23	23	23	20	20	21	21	16	12	12	10	10	11	15	20	25	28	29	28	27	25	22	22	20	20
19	21	20	18	19	19	21	20	17	15	15	13	13	11	16	25	30	30	29	30	31	27	27	29	20	22
20	19	19	18	16	15	16	16	14	13	11	11	16	23	29	33	39	39	37	35	35	34	26	21	17	23
21	15	15	13	13	12	13	14	14	13	13	12	12	13	13	13	13	14	13	13	13	14	15	15	15	14
22	17	16	16	15	17	17	15	13	11	10	9	9	9	16	****	10	6	8	6	7	10	16	11	12	12
23	13	19	15	15	15	15	17	19	9	7	7	7	7	7	9	9	9	9	11	11	11	15	9	12	12
24	9	9	9	11	8	9	17	11	5	5	5	5	5	7	7	9	9	9	14	13	13	17	15	13	10
25	13	11	12	15	11	11	11	11	9	11	11	12	9	9	9	11	10	10	11	11	11	11	12	11	11
26	10	10	11	11	11	11	11	10	9	8	7	7	7	5	5	7	8	10	11	16	16	17	19	10	10
27	15	15	15	15	15	17	12	12	10	6	6	5	7	7	7	7	7	8	8	9	10	11	10	10	10
28	11	11	9	9	12	13	16	15	9	7	9	7	9	11	11	13	15	16	16	16	17	19	22	17	13
29	16	15	18	15	13	12	13	13	13	12	11	11	11	13	13	13	15	15	15	15	15	18	17	16	14
30	15	15	16	15	14	15	17	14	13	13	11	11	13	13	13	13	****	****	****	****	****	****	****	****	14
MEAN	15	15	14	14	14	14	14	13	10	10	10	10	10	12	12	13	13	13	14	14	15	16	18	14	13

PERCENTAGE OF DATA VALID - 83

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14	****	****	16	15	15	13	13	12	12	15	21	23	25	31	25	20	22	21	23	16	11	8	7	9	17
15	7	11	10	12	10	8	10	11	9	12	13	10	10	13	13	14	11	13	13	14	8	7	10	11	
16	10	11	14	17	17	17	17	17	18	19	19	19	15	15	17	18	20	21	21	19	18	17	15	14	17
17	15	15	14	15	15	14	15	15	17	19	20	21	19	20	22	22	23	23	22	20	18	16	15	15	18
18	13	14	14	15	15	15	15	15	15	15	15	16	16	15	15	15	13	13	15	14	13	12	12	12	14
19	11	11	11	11	12	12	13	13	14	13	14	13	14	14	13	14	14	13	13	13	12	13	12	13	13
20	13	13	16	17	16	16	17	17	17	19	21	24	25	29	31	29	25	25	24	23	21	19	19	19	21
21													- DATA MISSING -												
22	20	19	19	19	19	20	19	19	19	19	18	18	33	15	17	14	13	13	13	14	13	13	13	13	17
23	13	12	15	14	14	14	18	15	13	20	16	15	14	13	13	14	14	13	13	13	13	13	13	13	14
24	14	16	13	15	15	17	19	17	15	15	14	14	19	17	17	16	16	15	16	16	16	15	15	15	16
25	16	16	15	15	15	15	15	15	15	15	43	21	16	16	17	17	17	17	17	19	18	18	17	17	18
26	15	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	14	13	13	13	13
27	14	14	15	20	21	17	15	15	15	14	14	14	14	15	15	15	15	15	15	17	16	15	15	15	15
28	14	14	14	14	16	16	18	17	17	17	17	17	16	15	15	15	15	17	17	16	21	17	15	15	16
29	15	17	15	15	14	14	15	15	14	13	12	14	17	15	15	15	16	15	15	41	24	18	16	16	16
30	16	15	15	15	15	16	15	17	17	16	16	17	18	18	16	19	23	16	15	15	51	13	7	****	17
31													- DATA MISSING -												
MEAN	14	14	14	15	15	15	15	15	15	16	18	17	18	17	17	17	17	16	17	16	19	15	13	14	16
PERCENTAGE OF DATA VALID -	51																								

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	19	11	9	9	14	22	35	21	****
7	15	12	8	9	20	13	10	8	7	7	7	7	7	8	9	9	9	11	10	12	13	16	14	10	
8	15	17	15	15	16	19	21	16	13	8	7	7	7	7	8	8	8	8	7	7	7	6	5	11	
9	5	5	5	5	5	5	8	7	7	7	7	7	7	7	9	11	11	11	10	9	18	8	7	8	
10	7	6	6	5	5	5	8	7	6	6	7	8	9	11	11	11	9	8	7	7	8	6	6	5	7
11	5	5	5	5	4	4	4	4	5	5	5	5	5	5	5	5	5	4	5	5	5	6	6	6	5
12	6	7	8	7	7	8	9	8	6	5	5	7	5	7	6	7	6	5	5	4	4	4	4	6	6
13	4	5	5	5	5	7	8	9	6	6	5	7	7	****	****	15	15	13	11	11	10	9	14	15	9
14	11	9	9	9	7	7	7	6	6	6	5	5	6	5	6	8	8	10	9	10	9	10	8	9	8
15	6	6	7	7	6	6	5	3	4	4	3	3	3	3	3	3	3	3	5	7	5	6	5	5	5
16	5	7	6	5	7	9	9	9	7	5	5	5	5	5	5	6	5	6	7	7	7	9	15	20	7
17	21	19	13	10	14	14	15	13	8	5	5	4	5	5	6	7	7	7	7	8	8	9	15	21	10
18	17	30	21	16	15	15	15	20	15	11	12	9	7	8	7	8	8	9	11	9	13	15	8	13	13
19	9	15	13	13	14	15	15	9	9	8	7	6	7	7	7	8	9	8	8	9	8	9	6	6	9
20	6	6	5	5	4	6	6	7	6	5	5	4	****	****	****	****	****	****	****	****	****	****	****	****	****
21	****	****	****	****	25	22	20	21	18	20	25	29	29	27	27	25	25	25	25	23	31	39	33	27	26
22	39	38	38	35	31	31	31	25	17	17	15	14	19	19	19	19	20	19	19	****	****	****	****	****	24
23													- DATA MISSING -												
24													- DATA MISSING -												
25													- DATA MISSING -												
26													- DATA MISSING -												
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
31													- DATA MISSING -												
MEAN	11	12	11	10	12	12	12	11	9	8	8	8	9	9	9	10	10	10	10	9	10	12	13	12	10
PERCENTAGE OF DATA VALID -	49																								

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3	****	****	****	****	****	****	****	****	****	****	****	****	11	11	12	13	13	13	13	13	12	12	11	10	****
4	9	8	8	8	10	10	9	9	9	9	9	8	8	12	10	11	11	11	11	13	13	12	11	10	10
5	10	10	10	9	9	9	9	9	9	8	9	9	9	9	13	13	13	13	12	13	15	13	13	12	11
6	13	13	11	12	12	13	11	10	10	10	11	11	15	13	14	14	13	12	12	12	11	11	11	10	12
7	12	11	10	11	10	10	10	12	11	11	10	11	****	****	****	****	****	****	****	****	****	****	****	****	****
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16	****	****	****	****	****	****	****	****	****	****	****	****	33	29	23	21	20	20	20	37	39	47	55	38	****
17	25	22	23	20	17	17	16	16	41	18	17	15	15	15	13	15	16	17	20	33	46	31	39	36	23
18	39	27	25	22	22	20	22	24	48	57	16	15	15	17	15	15	16	15	27	33	45	43	51	26	27
19	21	18	16	15	15	15	14	14	30	13	13	19	12	13	13	11	11	11	12	12	12	15	14	15	15
20	17	15	15	15	13	15	15	16	15	15	14	14	14	12	15	15	14	14	14	14	14	14	14	15	15
21	16	17	15	14	14	14	17	21	17	13	11	11	11	11	11	12	14	14	16	17	18	24	30	34	16
22	38	41	33	25	21	21	22	23	22	15	14	13	22	16	****	12	11	9	12	12	12	12	12	10	19
23	10	9	9	9	12	17	21	19	12	12	11	10	10	10	10	11	11	10	9	11	10	10	10	11	11
24	11	12	13	12	9	10	11	10	9	9	9	9	9	9	9	10	10	14	18	23	37	54	44	15	
25	31	25	20	18	16	17	19	18	16	14	11	10	10	9	9	9	9	9	9	9	9	9	10	9	14
26	9	9	8	8	8	8	8	9	9	8	8	8	8	8	8	8	9	9	9	9	9	9	7	8	8
27	8	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	8	9	9	9	10	12	9	8
28	8	8	8	8	8	9	9	9	9	10	10	9	9	9	9	11	9	9	12	11	10	10	10	9	8
29	9	9	9	8	8	9	11	10	9	9	9	9	****	****	****	12	11	11	10	11	12	12	12	11	10
30	14	17	16	13	13	12	13	13	15	13	13	12	13	13	13	13	13	14	16	16	19	16	16	14	14
MEAN	17	15	14	13	12	13	13	14	17	14	11	11	13	12	12	12	12	12	14	16	18	18	21	17	14

PERCENTAGE OF DATA VALID - 51

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	15	15	15	16	18	21	22	19	17	17	17	17	17	17	18	18	19	26	26	26	27	35	35	20
2	29	27	25	24	24	26	25	25	23	19	17	17	16	16	16	16	17	21	35	31	25	25	35	35	24
3	33	31	29	30	29	29	26	22	19	17	16	15	15	15	16	17	16	17	17	17	17	17	15	15	20
4	15	15	15	15	15	13	13	15	15	15	15	14	15	15	15	15	15	16	25	23	21	20	26	23	17
5	27	23	22	22	21	20	21	23	20	17	16	15	15	17	21	19	17	17	19	19	17	19	17	16	19
6	15	13	13	14	14	13	14	14	13	12	12	12	13	12	13	14	14	15	17	17	17	17	15	14	14
7	14	14	13	13	13	13	14	15	14	12	30	94	62	****	21	23	23	20	20	23	24	43	57	35	27
8	31	33	43	40	31	25	29	33	29	20	15	15	14	14	14	14	16	16	23	23	22	22	23	23	24
9	23	19	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17	29	25	27	30	52	44	21
10	37	31	25	22	22	20	20	20	19	19	17	17	17	15	17	17	17	17	17	17	17	15	16	15	20
11	13	13	13	13	12	12	12	11	10	11	11	11	11	11	11	12	13	16	21	17	17	16	25	17	14
12	14	13	11	11	11	11	12	15	13	13	13	12	12	12	12	12	14	19	17	17	16	14	13	13	
13	12	12	12	11	11	12	15	21	19	16	15	15	14	13	13	13	15	15	14	15	15	17	17	17	15
14	17	15	15	14	13	13	15	17	17	17	17	17	16	16	16	16	13	14	15	16	19	22	22	18	16
15	17	17	17	19	18	17	17	17	17	15	****	****	17	16	18	20	21	30	31	31	33	35	41	35	23
16	33	33	31	29	25	26	26	27	27	26	25	25	23	23	23	23	23	25	27	25	25	23	23	19	26
17	15	15	14	14	14	14	13	13	13	13	13	13	12	14	14	14	14	14	13	13	13	13	13	14	14
18	12	12	12	12	11	12	13	15	13	13	13	12	13	13	13	13	13	14	15	15	14	15	14	13	13
19	12	11	10	10	10	11	12	12	11	11	10	9	12	11	10	10	10	10	10	10	10	10	9	9	10
20	11	12	12	12	12	13	14	15	14	13	13	13	13	13	12	13	12	11	13	12	12	13	14	13	13
21	13	13	12	13	11	12	13	7	18	19	19	21	DATA MISSING -	DATA MISSING -	DATA MISSING -	DATA MISSING -	DATA MISSING -	DATA MISSING -	DATA MISSING -	DATA MISSING -	DATA MISSING -	DATA MISSING -	DATA MISSING -	DATA MISSING -	DATA MISSING -
22													DATA MISSING -	DATA MISSING -											
23													DATA MISSING -	DATA MISSING -											
24													DATA MISSING -	DATA MISSING -											
25													DATA MISSING -	DATA MISSING -											
26													DATA MISSING -	DATA MISSING -											
27													DATA MISSING -	DATA MISSING -											
28													DATA MISSING -	DATA MISSING -											
29													DATA MISSING -	DATA MISSING -											
30													DATA MISSING -	DATA MISSING -											
31													DATA MISSING -	DATA MISSING -											
MEAN	19	18	18	18	17	17	17	18	17	16	16	19	17	15	15	16	16	17	20	20	19	21	24	21	18

PERCENTAGE OF DATA VALID - 65

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH NOV 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA MISSING -													
2												- DATA MISSING -													
3												- DATA MISSING -													
4												- DATA MISSING -													
5												- DATA MISSING -													
6												- DATA MISSING -													
7												- DATA MISSING -													
8												- DATA MISSING -													
9												- DATA MISSING -													
10												- DATA MISSING -													
11												- DATA MISSING -													
12												- DATA MISSING -													
13												- DATA MISSING -													
14												- DATA MISSING -													
15												- DATA MISSING -													
16	23	31	27	21	19	17	17	20	21	21	21	18	16	15	15	17	19	21	21	23	23	23	23	23	21
17	19	22	19	21	19	17	20	20	21	21	20	20	22	20	19	21	21	19	17	15	15	15	15	15	19
18	15	15	13	13	13	13	13	15	15	15	15	14	15	14	13	13	15	15	13	13	13	13	13	12	14
19	12	13	13	11	12	12	12	11	13	15	13	13	15	13	13	15	15	29	13	16	13	12	15	16	14
20												- DATA MISSING -													
21												- DATA MISSING -													
22												- DATA MISSING -													
23												- DATA MISSING -													
24												- DATA MISSING -													
25												- DATA MISSING -													
26												- DATA MISSING -													
27												- DATA MISSING -													
28												- DATA MISSING -													
29												- DATA MISSING -													
30												- DATA MISSING -													
MEAN	17	20	18	17	16	15	16	17	18	18	17	16	18	16	16	17	18	21	17	18	17	17	17	17	17

PERCENTAGE OF DATA VALID - 14

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

MONTH DEC 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA MISSING -													
2												- DATA MISSING -													
3												- DATA MISSING -													
4												- DATA MISSING -													
5												- DATA MISSING -													
6												- DATA MISSING -													
7												- DATA MISSING -													
8	18	17	17	17	17	16	16	18	18	18	18	17	17	17	16	17	21	25	29	24	23	21	21	20	21
9	19	19	19	18	17	17	16	17	16	17	17	15	15	15	16	15	15	16	13	13	14	15	15	14	16
10	14	15	15	14	14	13	12	13	13	12	13	13	14	14	14	15	15	16	17	17	16	15	15	22	15
11												- DATA MISSING -													
12												- DATA MISSING -													
13												- DATA MISSING -													
14												- DATA MISSING -													
15	15	15	15	15	15	15	14	14	16	16	16	15	15	15	15	16	12	13	13	14	14	16	15	15	16
16	13	13	12	13	13	13	13	13	13	13	13	14	14	14	14	14	15	15	16	17	17	19	20	23	15
17	21	22	19	16	17	16	17	17	18	16	15	15	15	15	15	15	15	15	15	15	15	15	14	14	16
18	14	14	15	15	15	17	17	18	21	21	20	20	20	20	20	21	23	22	23	24	23	21	25	22	20
19	20	20	20	20	20	20	20	23	21	21	18	16	16	16	16	16	17	17	17	17	17	16	16	16	18
20	15	15	15	15	15	15	15	17	18	17	16	16	15	15	15	15	15	17	19	19	19	20	20	20	17
21	20	20	20	20	20	20	21	23	27	25	23	22	21	21	21	21	22	21	17	15	15	15	14	14	20
22	11	11	12	12	11	11	11	14	14	14	14	15	14	14	14	14	14	14	14	14	14	13	14	14	13
23	16	17	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	14
24	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	14	18	23	19	15	11	11	12	13
25	11	11	11	11	11	11	11	11	11	11	12	13	13	13	13	14	15	14	14	14	14	13	13	13	13
26	11	11	11	11	11	11	11	11	11	11	12	13	13	13	13	14	14	15	15	15	15	14	17	18	14
27	15	13	11	11	10	9	9	10	11	11	9	9	9	10	11	14	16	16	16	16	16	16	16	16	11
28												- DATA MISSING -													
29												- DATA MISSING -													
30												- DATA MISSING -													
31												- DATA MISSING -													
MEAN	16	16	15	15	15	15	14	16	16	16	15	15	15	15	15	15	17	17	17	16	17	16	17	17	16

PERCENTAGE OF DATA VALID - 56

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - KING/RECTORY LONDON FAIR

NO 15001

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	18	29	55
FEB	28	16	20	39
MAR	31	16	21	49
APR	30	15	20	50
MAY	17	19	26	47
JUN	27	13	23	39
JUL	16	16	21	51
AUG	17	10	26	39
SEP	20	14	27	57
OCT	21	18	27	94
NOV	5	17	21	31
DEC	20	16	20	29
YEAR	259	16	29	94

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL HYDROCARBONS

UNIT - PARTS PER TEN MILLION

STATION - KING/RECTORY LONDON FAIR

NO 15001

	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141-200	201&OVER	TOTAL
JAN	0	503	82	15	1	0	0	0	601
FEB	0	577	66	5	0	0	0	0	648
MAR	4	645	78	4	0	0	0	0	731
APR	84	526	74	9	0	0	0	0	693
MAY	11	250	108	21	0	0	0	0	390
JUN	207	327	56	10	0	0	0	0	600
JUL	16	320	39	6	0	0	0	0	381
AUG	259	71	28	11	0	0	0	0	369
SEP	160	217	36	27	0	0	0	0	440
OCT	17	340	101	30	1	1	0	0	490
NOV	0	73	33	1	0	0	0	0	107
DEC	8	343	67	0	0	0	0	0	418
YEAR	766	4192	768	139	2	1	0	0	5868

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
66	3	8.9	12.4	14.4	16.4	20.9	24.7	30.9	36.4	94	15.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - SIMCOE HORTICULTURAL STATION NO 16001

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	22	22	29	41
FEB	6	15	19	34
MAR		DATA MISSING		
APR		DATA MISSING		
MAY		DATA MISSING		
JUN		DATA MISSING		
YEAR	28	20	29	41

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL HYDROCARBONS

UNIT - PARTS PER TEN MILLION

STATION - SIMCOE HORTICULTURAL STATION NO 16001

	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141-200	201 & OVER	TOTAL
JAN	4	130	278	18	0	0	0	0	430
FEB	9	96	10	1	0	0	0	0	116
MAR		DATA MISSING							
APR		DATA MISSING							
MAY		DATA MISSING							
JUN		DATA MISSING							
YEAR	13	226	288	19	0	0	0	0	546

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
38	9	12.7	17.6	19.6	22.2	26.9	29.1	31.5	36.5		41	20.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - BARTON/WENTWORTH HAM. OAMST

NO 29025

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	20	20	20	20	20	20	19	22	21	21	20	20	20	20	20	20	20	24	24	24	21	23	23	21
2	25	27	27	27	26	25	25	21	21	21	21	21	19	19	19	19	19	19	19	19	21	23	21	21	22
3	21	21	21	21	21	21	21	21	21	24	27	27	30	30	30	30	28	26	29	28	28	27	26	26	25
4	26	24	24	22	22	22	22	26	26	26	30	36	42	48	39	23	23	19	17	17	17	17	17	17	25
5	17	17	17	17	17	17	19	19	19	19	19	20	20	20	20	20	24	24	24	24	24	27	27	23	20
6	23	23	23	23	23	24	26	26	26	26	26	26	26	26	26	26	27	28	27	28	27	27	27	27	26
7	27	27	26	26	26	26	26	27	27	27	27	27	25	25	25	25	25	25	25	25	25	25	25	25	26
8	25	25	25	25	25	24	24	26	29	32	32	32	31	30	23	23	29	29	28	27	32	27	23	23	27
9	23	21	26	17	13	13	13	15	17	15	18	19	19	19	18	18	18	22	23	23	23	23	23	24	19
10	24	24	24	26	26	17	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19	20
11	19	19	19	19	19	19	23	27	27	26	23	22	23	27	31	28	26	30	32	26	22	22	22	21	24
12	22	24	24	24	25	24	25	27	29	27	27	26	26	29	32	32	32	35	31	31	31	33	39	41	29
13	34	****	****	****	****	****	****	****	****	****	****	****	31	27	26	28	30	27	24	26	23	24	24	22	****
14	19	21	20	16	18	18	25	28	24	25	23	24	23	23	25	26	31	25	27	25	26	29	26	28	24
15	28	29	30	29	27	27	30	31	31	32	35	29	27	28	28	29	30	31	30	31	35	35	35	36	31
16	34	32	32	32	35	36	37	51	38	40	38	35	40	39	40	39	38	36	35	33	36	35	35	35	37
17	39	38	34	32	31	30	29	31	29	31	35	31	31	31	29	29	30	31	33	31	31	33	32	31	32
18	32	32	33	33	31	30	31	32	35	34	32	31	30	29	30	30	31	24	25	25	21	18	20	19	29
19	18	18	18	20	18	18	21	24	29	30	24	22	21	21	21	19	20	22	25	27	25	21	22	21	22
20	22	25	27	29	22	20	23	23	23	21	24	24	23	26	24	27	36	27	31	31	27	25	25	26	25
21	26	26	26	25	25	23	23	25	25	24	19	19	17	16	16	17	16	16	16	15	15	17	16	16	20
22	17	17	17	17	17	17	15	18	21	22	22	21	20	22	22	22	26	29	29	26	26	23	24	34	22
23	38	31	22	18	15	15	14	14	16	16	20	20	20	21	21	21	22	25	25	25	23	22	22	22	21
24	19	19	19	19	19	19	21	23	23	23	25	25	26	26	28	28	28	28	34	26	27	29	28	26	25
25	23	23	23	23	23	26	28	29	25	28	28	28	28	26	35	35	39	36	33	33	30	24	31	36	29
26	36	23	20	16	16	13	16	16	16	11	14	16	11	11	13	16	23	26	25	25	26	26	27	27	20
27	27	27	28	28	28	30	30	32	32	31	31	44	49	54	57	62	62	62	59	57	55	55	55	55	44
28	57	57	55	54	54	53	55	55	50	49	49	16	16	16	16	16	16	19	17	17	17	17	19	19	34
29	19	19	19	20	19	22	20	22	14	32	32	32	35	35	36	36	48	37	35	35	35	31	28	28	29
30	20	20	20	20	20	25	27	27	28	28	31	31	31	31	31	31	31	31	31	31	31	31	31	34	28
31	34	34	35	34	34	34	34	36	36	37	37	37	38	37	37	37	37	37	37	40	40	39	39	39	37
MEAN	26	25	25	24	24	24	25	26	26	27	27	26	26	27	27	27	29	28	28	27	27	27	27	28	26

PERCENTAGE OF DATA VALID - 98

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - BARTON/WENTWORTH HAM. OAMST

NO 29025

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	39	39	39	41	42	42	44	46	50	50	48	49	47	47	53	54	49	49	49	49	49	49	54	54	47
2	62	48	48	48	48	48	54	56	59	59	54	54	53	56	56	56	56	59	59	61	58	54	54	53	55
3	57	57	55	54	56	56	58	66	66	20	20	20	17	17	17	19	25	25	24	24	20	20	22	22	35
4	20	20	18	17	17	19	25	25	22	21	21	21	20	18	17	18	21	16	13	13	12	7	11	11	18
5	****	****	****	****	****	****	****	****	****	16	16	14	13	13	16	15	16	17	15	15	15	15	16	16	****
6	15	15	15	15	15	15	16	19	19	19	21	21	21	21	22	23	23	23	23	26	26	26	26	29	21
7	29	26	26	32	42	44	56	55	32	34	38	31	28	28	28	25	26	27	25	27	23	23	22	21	31
8	20	18	18	18	18	18	18	18	18	23	25	24	23	23	23	21	21	19	19	18	18	18	18	19	20
9	18	18	20	19	18	18	20	21	22	22	21	22	23	22	22	23	25	25	27	27	27	27	29	26	23
10	23	23	23	23	23	22	24	26	26	23	23	23	24	24	24	23	25	27	28	48	30	30	28	28	26
11	28	28	27	26	26	30	39	38	35	35	30	30	32	32	31	34	33	29	29	29	27	26	26	26	30
12	26	24	24	24	24	24	28	34	34	37	37	35	35	35	38	35	39	39	34	28	23	23	23	30	30
13	24	24	24	24	23	23	23	21	21	21	21	21	17	16	15	15	14	13	12	12	12	12	12	11	18
14	11	11	11	11	10	10	11	13	14	16	17	****	****	****	****	****	****	****	****	****	****	****	****	****	****
15	****	****	****	****	****	****	****	****	****	21	21	21	20	20	20	18	18	18	18	18	17	18	18	18	19
16	18	18	23	23	17	17	17	17	****	18	22	23	22	20	21	25	27	28	28	27	23	22	25	22	22
17	20	19	18	19	16	16	17	29	27	27	28	24	21	20	20	20	20	20	18	19	18	19	19	19	21
18	18	18	17	16	16	18	21	24	24	22	22	19	20	20	21	22	23	22	24	25	23	23	23	25	21
19	22	22	27	21	20	21	21	25	31	32	32	32	32	32	32	32	33	31	31	31	30	29	28	27	28
20	27	27	25	23	23	24	23	25	25	23	24	27	32	33	22	24	23	23	23	22	22	21	22	23	24
21	23	23	23	23	23	23	23	23	23	23	23	23	25	24	23	24	24	24	24	24	24	25	25	26	24
22	27	26	25	25	24	24	25	26	26	24	22	22	22	22	22	22	22	22	19	18	17	17	17	17	22
23	15	15	13	14	14	12	13	15	15	14	12	12	11	11	13	13	15	15	16	16	13	21	17	14	14
24	14	13	13	13	13	13	17	19	18	18	18	18	18	18	20	20	25	25	27	23	21	22	21	19	19
25	15	15	15	15	15	15	20	21	22	18	18	18	18	18	18	18	18	23	27	33	28	26	34	34	21
26	33	33	36	28	26	24	26	28	31	32	32	31	25	25	25	25	33	27	27	27	27	30	32	32	29
27	32	22	14	9	9	9	11	11	11	11	11	11	10	9	9	9	9	8	8	8	8	9	9	9	11
28	9	9	9	9	9	9	9	9	9	10	10	10	10	12	12	13	14	14	14	14	16	16	16	16	12
MEAN	25	24	23	23	23	23	25	27	27	25	25	24	24	24	24	24	25	25	24	25	23	23	24	24	24

UNITS - PARTS PER TEN MILLION

MONTH MAR 71

PERCENTAGE OF DATA VALID - 88

UNITS - PARTS PER TEN MILLION

MONTH APR 71

PERCENTAGE OF DATA VALID - 96

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - BARTON/WENTWORTH HAM. OAMST

NO 29025

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	27	25	25	24	26	28	28	28	30	28	24	24	24	24	25	25	25	25	25	25	28	25	24	26
2	25	28	25	23	23	22	22	22	21	21	21	21	22	21	21	21	21	21	21	22	22	22	22	22	22
3	20	20	20	20	21	23	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
4	7	8	8	7	6	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
5	18	18	16	16	16	18	19	21	24	23	20	22	20	20	19	20	22	22	22	22	25	29	35	34	22
6	35	32	31	27	25	23	23	23	23	23	24	24	24	24	24	21	21	21	22	24	25	26	28	32	25
7	32	30	27	27	27	29	35	38	31	31	31	31	26	24	19	19	19	19	19	19	19	16	18	19	25
8	18	18	15	15	15	15	14	13	13	13	16	14	15	17	17	17	16	14	14	16	20	25	29	26	17
9	25	24	24	24	24	24	24	24	24	22	22	21	21	20	19	19	19	19	20	22	24	24	26	26	23
10	24	24	24	24	24	24	27	28	26	23	25	25	26	28	28	28	28	28	28	28	28	28	29	29	26
11	28	28	30	33	34	39	44	44	41	39	39	41	41	45	45	45	45	40	39	36	40	40	42	44	39
12	44	39	36	33	33	33	33	34	34	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21	12	12	15	14	13	17	19	21	15	17	18	14	13	13	13	13	15	12	13	13	13	19	18	16	15
22	12	15	14	13	14	14	14	12	12	11	11	11	10	10	10	12	12	12	12	13	15	15	13	13	13
23	16	13	13	12	12	16	12	10	10	10	12	16	15	15	15	15	15	15	15	15	18	17	16	16	14
24	10	15	11	13	13	13	13	13	13	14	14	13	13	13	13	14	14	15	15	15	15	15	17	17	14
25	16	15	13	13	20	50	18	20	12	12	11	10	13	13	13	16	11	11	11	11	12	12	10	10	15
26	10	10	10	10	13	13	12	12	12	12	14	13	14	13	13	16	16	16	13	11	11	13	14	13	13
27	11	11	12	12	12	14	18	18	18	17	16	15	14	17	17	16	20	20	22	25	29	26	30	24	18
28	18	17	14	15	16	22	21	23	18	22	22	20	15	17	17	17	17	17	19	19	24	21	24	20	19
29	18	23	23	27	25	37	26	25	23	22	18	17	15	15	15	15	16	16	18	21	30	35	49	23	
30	31	29	24	27	33	21	16	23	18	16	16	16	14	14	14	16	15	13	19	22	24	20	15	20	
31	13	13	13	13	13	13	13	14	16	15	14	16	15	16	15	17	18	15	15	14	13	14	12	13	14
MEAN	20	20	19	19	20	22	21	22	21	20	20	19	19	19	19	19	19	18	18	18	20	21	22	22	20

PERCENTAGE OF DATA VALID - 74

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - BARTON/WENTWORTH HAM. OAMST

NO 29025

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	13	13	12	12	12	18	19	19	18	19	17	18	17	17	20	21	18	19	16	16	17	18	16	17
2	16	15	13	13	16	15	17	17	18	19	17	20	26	27	23	27	36	30	25	21	23	20	24	25	21
3	21	13	13	13	12	17	16	17	17	16	16	15	14	15	14	15	15	14	16	16	15	15	17	16	15
4	14	14	14	15	14	17	20	21	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15	12	12	10	10	10	10	10	11	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
16	13	13	12	13	14	12	13	13	11	10	10	10	8	13	13	13	14	13	12	12	12	14	27	23	13
17	29	33	27	19	18	20	18	16	11	9	9	8	7	12	10	10	9	7	8	10	13	19	14	18	15
18	34	12	13	13	34	18	18	18	16	20	20	17	18	15	14	12	20	12	9	8	11	10	11	16	16
19	10	10	16	26	22	15	17	22	24	15	17	18	15	12	11	10	6	10	10	10	10	10	10	10	10
20																									
21																									
22	9	10	10	10	12	13	17	16	16	18	22	18	16	16	16	20	15	15	13	15	26	39	16	23	17
23	20	16	41	28	39	40	47	24	24	22	27	22	19	16	18	22	17	15	16	16	13	13	13	10	22
24	10	10	10	12	11	15	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
25	15	18	18	22	22	24	23	28	32	16	6	16	16	15	13	23	31	34	29	28	29	23	21	20	22
26	20	20	20	20	23	22	26	29	33	25	25	26	25	23	23	23	22	20	21	26	26	22	28	24	24
27	24	19	15	15	18	21	28	10	11	11	14	10	10	10	9	11	6	6	6	6	6	9	19	6	13
28	5	5	10	5	9	14	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
29																									
30	26	24	24	24	24	28	32	31	33	31	34	30	30	31	31	33	29	27	27	27	27	27	26	24	21
MEAN	17	15	16	16	18	18	20	19	20	18	18	18	17	18	17	19	19	17	17	17	19	20	19	19	18

PERCENTAGE OF DATA VALID - 55

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - BARTON/WENTWORTH HAM. OAMST

NO 29025

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	9	9	9	15	15	15	15	12	13	11	11	23	25	25	25	24	24	26	27	28	24	27	30	19
2	27	25	25	25	28	31	34	26	25	25	25	25	25	27	27	27	27	27	27	27	28	28	31	23	27
3	34	35	35	38	32	32	30	34	34	33	33	31	31	31	31	33	33	35	37	37	37	37	44	47	35
4	53	53	43	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
5	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
6	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
7	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
8	20	23	46	39	31	33	30	25	20	22	20	19	19	19	20	22	22	19	21	22	21	20	20	17	24
9	17	16	15	15	17	17	17	18	20	20	18	19	19	18	18	18	19	20	18	21	23	25	27	25	19
10	26	27	31	25	21	23	24	22	21	19	20	20	18	18	17	16	***	***	***	***	***	***	***	***	***
11	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
12	15	17	16	14	16	18	18	22	24	24	22	20	18	17	17	19	18	17	16	17	20	18	15	19	18
13	18	18	14	12	13	16	18	18	15	12	12	12	9	9	9	10	9	7	7	9	11	11	11	10	12
14	10	10	10	10	11	12	14	13	11	9	9	15	16	16	16	17	16	15	14	15	17	16	14	14	13
15	15	15	15	15	16	22	22	22	18	18	18	16	20	19	20	20	17	17	17	21	20	17	17	15	18
16	14	13	12	12	12	16	16	15	16	15	15	15	14	14	16	16	14	14	13	13	13	13	12	11	14
17	11	10	10	10	11	11	11	11	12	12	12	12	12	12	13	14	13	14	13	14	16	18	19	18	13
18	16	17	16	15	17	17	17	19	19	19	20	20	20	20	20	19	19	19	20	20	20	21	24	24	19
19	26	22	20	20	23	22	22	23	24	22	20	16	17	16	20	15	14	14	14	14	14	14	18	20	19
20	18	17	16	16	15	19	24	24	19	16	16	15	18	17	18	20	20	20	20	19	20	23	23	24	19
21	24	24	20	21	22	26	27	31	32	22	22	19	21	22	23	25	22	22	19	21	21	21	21	17	23
22	18	18	17	16	17	22	22	23	20	21	21	18	29	23	20	17	17	16	18	17	20	19	18	18	19
23	15	15	16	16	16	19	20	20	18	22	23	24	21	23	24	22	21	21	21	21	23	21	21	19	20
24	20	20	18	22	20	19	28	29	28	24	26	26	23	23	26	23	24	22	21	26	27	25	26	24	24
25	19	19	19	17	16	17	16	16	16	16	17	16	15	18	19	17	16	16	17	19	21	20	19	18	17
26	17	17	17	16	16	21	21	21	20	20	19	19	18	16	17	19	19	19	18	18	27	20	20	19	19
27	17	21	19	18	19	21	21	21	19	20	21	20	21	21	20	22	19	22	22	22	22	23	22	23	21
28	24	21	21	22	22	27	29	26	25	24	27	23	25	26	25	26	25	26	24	23	20	20	20	19	24
29	19	18	17	17	17	23	25	25	22	21	23	22	20	21	21	20	21	20	22	21	25	28	32	40	23
30	39	29	26	29	28	40	45	38	34	30	27	25	23	23	27	27	22	21	26	27	27	25	25	24	29
31	26	23	22	21	20	24	26	24	24	22	22	20	20	21	21	21	21	21	22	23	22	22	21	21	22
MEAN	21	20	20	19	19	22	23	22	21	20	19	19	19	19	20	20	19	19	19	20	22	21	21	21	20

PERCENTAGE OF DATA VALID - 89

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - BARTON/WENTWORTH HAM. OAMST

NO 29025

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	21	24	25	24	26	31	27	24	23	23	24	23	23	24	23	23	24	24	24	35	28	27	32	25
2	35	35	34	35	32	25	27	21	21	21	22	21	21	21	21	21	21	19	19	21	24	21	21	20	24
3	19	19	19	19	21	23	24	24	21	***	***	***	***	***	24	24	25	24	25	23	23	23	22	22	22
4	23	23	25	25	24	28	31	28	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
5												-	DATA MISSING	-											
6												-	DATA MISSING	-											
7												-	DATA MISSING	-											
8												-	DATA MISSING	-											
9	***	***	***	***	***	***	***	***	***	***	***	12	8	8			13	9	9	9	9	10	11	8	***
10	7	6	6	5	5	7	10	8	7	7	8	8	10	10	9	8	***	***	***	***	***	***	***	***	8
11												-	DATA MISSING	-											8
12												-	DATA MISSING	-											
13												-	DATA MISSING	-											
14												-	DATA MISSING	-											
15												-	DATA MISSING	-											
16	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	28	53	41	47	32	35	46	43	36	***
17	30	29	29	33	33	35	33	32	30	23	21	24	26	24	22	22	21	24	22	26	20	20	22	23	26
18	22	25	31	24	21	21	22	25	29	24	19	18	21	17	17	17	16	17	18	21	26	48	32	27	23
19	24	32	21	14	14	16	18	20	16	15	16	14	13	15	14	14	14	12	12	14	14	15	***	***	16
20	***	***	***	***	***	***	***	16	17	15	13	13	12	12	11	12	12	13	14	16	20	21	34	55	18
21	42	31	15	17	20	18	12	10	10	10	10	9	9	8	8	8	8	8	8	10	13	15	22	18	14
22	19	16	14	12	7	8	8	9	6	6	6	7	6	5	6	6	4	7	6	7	10	8	7	4	8
23	4	5	5	6	9	11	13	9	26	11	12	12	15	***	***	***	***	***	***	***	***	***	***	***	***
24	27	23	18	18	18	23	26	27	23	21	20	19	18	18	18	20	20	19	19	19	18	19	21	21	21
25	21	23	22	22	20	18	24	42	34	22	20	86	35	***	***	***	***	***	***	***	***	***	***	***	***
26	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
27	16	16	15	15	15	19	23	19	25	21	20	20	23	24	25	23	22	16	18	18	20	19	19	17	20
28	18	16	15	15	15	17	18	17	16	16	15	17	21	24	21	20	17	17	18	21	22	19	21	21	18
29	21	21	21	20	20	20	21	22	22	22	24	22	22	22	22	22	22	22	25	25	23	23	23	23	22
30	22	22	21	21	22	24	28	29	28	28	20	18	18	16	16	19	16	14	14	14	13	13	12	13	19
31	18	21	20	19	17	21	21	17	17	17	18	18	19	19	19	19	20	22	25	26	25	23	21	21	20
MEAN	22	21	20	19	19	20	22	21	21	18	17	21	18	17	17	18	19	18	19	19	20	22	22	22	20

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - BARTON/WENTWORTH HAM. OAMST NO 29025

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	25	29	31	29	30	32	33	34	43	18	***	***	***	***	***	***	***	15	18	16	14	13	13	24
2	12	15	20	22	22	32	120	45	40	33	31	36	32	29	30	30	26	20	23	23	21	21	21	18	30
3	18	18	18	18	18	19	22	20	20	20	20	20	20	18	20	21	17	17	20	24	23	23	21	19	20
4	20	17	16	15	16	17	17	17	20	20	18	18	18	17	17	20	20	19	19	19	16	14	14	14	17
5	18	17	17	19	18	19	19	19	19	20	21	21	18	19	19	20	20	20	20	***	***	***	***	***	19
6	***	***	***	25	25	30	38	59	32	26	26	26	26	26	24	24	24	26	28	32	30	30	30	26	29
7	27	27	27	27	27	30	33	***	41	11	9	10	13	14	12	13	14	14	12	15	15	14	15	15	19
8	11	11	12	12	13	17	20	23	20	15	16	16	16	16	17	18	19	21	23	23	23	23	21	21	18
9	24	23	24	21	23	24	24	24	24	24	24	24	25	27	27	29	29	33	36	38	39	36	32	***	28
10	***	***	***	***	***	***	***	20	14	10	10	10	11	11	12	12	12	13	17	19	22	23	30	39	17
11	36	26	17	18	20	18	19	23	17	17	16	15	15	15	15	15	12	15	17	17	16	13	13	13	17
12	8	12	12	12	12	14	16	17	16	16	18	20	19	19	19	19	20	20	19	19	21	19	19	18	17
13	14	14	14	14	17	17	17	17	17	***	14	14	13	15	15	14	14	11	11	14	14	13	14	13	14
14	15	17	17	19	17	17	16	17	33	27	20	19	25	27	59	44	38	33	36	50	51	34	32	31	29
15	31	29	31	33	31	34	38	29	26	24	25	23	21	21	21	22	21	22	25	31	33	36	32	34	28
16	32	30	27	26	28	35	40	45	51	59	51	45	44	34	35	28	24	25	28	27	30	31	35	32	35
17	30	28	28	26	26	25	25	20	10	10	10	10	10	***	22	16	14	14	15	18	20	17	16	16	19
18	16	21	17	19	21	23	27	27	22	19	16	48	36	25	22	21	21	20	23	17	15	16	16	16	22
19	15	15	15	17	19	20	35	17	14	14	14	14	15	15	15	19	18	19	24	23	23	23	25	27	19
20	24	36	29	24	18	41	62	21	15	15	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
21	***	***	***	***	***	***	***	25	18	16	14	16	16	16	15	17	17	20	29	23	19	21	21	21	19
22	36	24	21	21	22	27	34	41	36	30	21	20	20	22	19	16	17	20	21	25	27	23	24	24	25
23	22	24	28	26	22	36	46	48	***	28	14	15	15	7	9	10	11	10	8	7	8	7	7	11	18
24	10	12	10	10	10	14	20	20	16	13	13	13	12	12	12	14	14	14	16	18	18	17	19	20	14
25	25	23	18	17	17	19	21	22	21	18	17	15	17	19	21	21	21	21	32	26	21	18	18	18	20
26	18	17	14	13	14	17	17	14	12	12	12	12	12	11	9	7	8	9	10	11	12	15	13	12	13
27	14	13	13	13	13	26	28	31	22	16	14	14	10	11	10	11	8	8	9	9	8	8	8	8	14
28	8	8	8	10	10	13	16	23	68	46	32	22	22	30	30	30	24	17	32	37	47	***	***	***	25
29	***	***	***	***	***	***	***	9	9	7	7	6	6	18	15	11	7	80	33	26	14	10	14	21	17
30	17	16	14	18	25	25	35	33	20	12	12	12	15	12	13	15	15	12	11	11	13	13	19	17	17
MEAN	20	20	19	19	20	24	31	26	24	21	18	19	19	19	20	19	18	20	21	22	22	20	20	20	21

PERCENTAGE OF DATA VALID - 91

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - BARTON/WENTWORTH HAM. OAMST NO 29025

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	12	11	11	27	35	39	49	39	28	23	***	***	***	***	***	***	***	***	***	***	***	***	***	***
2	***	***	***	***	***	***	***	***	***	***	***	***	9	11	26	31	25	26	26	25	22	20	19	19	***
3	16	14	10	9	9	12	15	19	13	11	11	9	1	1	2	3	2	2	3	4	4	5	6	8	8
4	3	1	0	1	1	5	9	10	18	17	21	20	20	20	20	23	23	21	21	21	22	22	24	23	15
5	25	26	22	24	27	32	35	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
6	***	***	***	***	***	***	***	***	34	30	26	24	***	***	***	***	***	***	***	***	***	***	***	***	***
7	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
8	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
9	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
10	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
11	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
12	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
13	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
14	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
15	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
16	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
17	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
18	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
19	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
20	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
21	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
22	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
23	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
24	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
25	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
26	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
27	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
28	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
29	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
30	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
31	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
MEAN	15	13	11	11	16	21	25	26	26	22	20	18	10	11	16	19	17	16	17	17	16	16	16	17	17

PERCENTAGE OF DATA VALID - 11

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - BARTON/WENTWORTH HAM. OAMST

NO 29025

MONTH DEC 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8	****	****	****	****	****	****	****	****	****	****	****	****	****	****	22	23	27	23	21	22	22	16	15	15	****
9	17	15	15	15	14	14	23	22	26	22	21	16	13	17	17	19	25	22	29	17	16	20	33	20	20
10	19	17	11	10	14	14	19	18	26	29	33	30	24	22	20	25	33	24	16	9	5	5	5	4	18
11	4	3	3	4	4	4	4	5	7	9	9	9	8	8	8	10	12	11	10	10	9	9	9	10	7
12	10	16	30	23	27	24	28	18	17	15	12	11	10	10	10	10	10	9	9	9	7	7	8	7	14
13	5	4	3	4	4	5	8	9	10	10	10	10	****	8	8	10	11	10	9	9	8	8	8	9	8
14	12	10	10	10	11	16	28	37	26	19	16	17	14	9	12	16	31	14	12	10	8	4	5	5	15
15	5	5	4	4	3	3	6	6	****	16	16	16	20	22	22	31	20	9	9	10	10	10	10	9	12
16	9	9	9	9	9	9	10	11	11	11	11	12	12	12	14	14	17	14	13	13	12	12	14	12	12
17	10	10	9	9	9	10	16	22	22	20	19	14	12	12	12	14	14	12	12	12	11	10	9	9	13
18	8	8	8	8	8	7	7	7	9	11	11	12	9	10	10	10	10	12	14	17	17	19	17	20	11
19	22	19	15	14	14	14	14	15	15	18	19	20	20	17	17	18	19	19	17	17	14	10	10	11	16
20	9	9	8	8	8	9	13	19	19	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
21													- DATA MISSING -												
22													- DATA MISSING -												
23													- DATA MISSING -												
24													- DATA MISSING -												
25													- DATA MISSING -												
26													- DATA MISSING -												
27													- DATA MISSING -												
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
31													- DATA MISSING -												
MEAN	11	10	10	10	10	11	15	16	17	16	16	15	14	13	14	17	19	15	14	13	12	11	12	11	13

PERCENTAGE OF DATA VALID - 37

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - BARTON/WENTWORTH HAM. OAMST NO 29025

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	26	44	62
FEB	28	24	55	66
MAR	29	26	45	63
APR	30	23	37	54
MAY	25	20	39	50
JUN	20	18	28	47
JUL	30	20	35	53
AUG	22	20	26	86
SEP	30	21	35	120
OCT	6	17	15	49
NOV	DATA MISSING			
DEC	13	13	20	37
YEAR	264	22	55	120

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL HYDROCARBONS

UNIT - PARTS PER TEN MILLION

STATION - BARTON/WENTWORTH HAM. OAMST NO 29025

	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141-200	201&OVER	TOTAL
JAN	0	143	407	180	3	0	0	0	733
FEB	31	194	300	112	4	0	0	0	641
MAR	51	114	258	237	1	0	0	0	661
APR	53	143	378	123	0	0	0	0	697
MAY	35	271	191	58	0	0	0	0	555
JUN	55	207	119	22	0	0	0	0	403
JUL	24	302	298	43	0	0	0	0	667
AUG	64	143	200	33	1	0	0	0	441
SEP	52	298	224	84	3	1	0	0	662
OCT	25	17	32	8	0	0	0	0	82
NOV	DATA MISSING								
DEC	125	107	43	6	0	0	0	0	281
YEAR	515	1939	2450	906	12	1	0	0	5823

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
72	0	10.6	16.3	20.5	24.9	33.0	38.1	45.8	53.2	120	22.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 67 COLLEGE ST TORONTO OAMST

NO 31001

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25	22	22	22	22	23	24	23	23	23	22	22	22	22	22	24	24	23	22	26	24	25	25	26	23
2	26	26	30	35	37	35	33	34	34	26	26	26	26	26	26	26	26	26	26	26	26	26	26	28	
3	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23	21	22	22	22	22
4	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	32	34	34	23	22	21	21	22	22
5	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	21	20	20	20	22	22	***
6	22	22	22	22	22	22	23	21	21	21	21	21	22	22	22	22	22	22	22	22	22	22	22	22	
7	18	18	18	18	19	19	19	19	19	21	21	18	***	***	***	50	45	43	42	42	42	39	39	29	
8	37	37	35	35	35	34	33	38	43	49	50	***	***	***	***	***	26	26	23	30	27	22	20	21	33
9	21	18	14	14	14	14	14	14	14	14	14	14	10	10	10	9	10	9	10	10	10	10	10	12	
10	16	16	12	12	10	10	10	10	10	10	10	20	21	21	21	21	21	21	19	19	19	14	14	15	
11	19	18	18	18	18	18	18	22	26	27	23	23	22	22	22	22	28	27	26	25	23	22	21	21	22
12	21	21	21	18	18	18	19	19	21	23	***	21	21	21	21	21	23	23	23	22	22	22	22	21	21
13	22	22	22	22	22	22	21	24	28	26	24	23	20	20	20	20	22	22	22	22	22	22	22	22	22
14	22	22	22	22	22	22	22	26	30	32	32	31	29	26	25	26	26	26	20	20	20	20	19	19	24
15	19	19	19	19	19	19	19	19	21	21	20	20	20	20	20	20	22	19	19	19	19	19	19	19	20
16	17	17	17	17	17	17	17	17	18	18	22	21	21	21	19	19	22	22	22	23	22	22	22	20	20
17	21	21	20	19	19	19	18	18	18	18	18	18	18	18	18	18	18	18	19	19	20	22	22	22	19
18	16	16	17	17	17	17	17	18	18	18	18	20	22	***	23	22	25	23	23	23	23	22	22	20	20
19	22	22	22	22	21	21	21	22	24	24	24	24	23	23	22	24	25	25	25	25	25	25	25	24	23
20	23	23	23	23	22	22	22	25	27	26	25	24	22	23	23	23	27	30	26	24	25	25	25	24	24
21	25	25	25	25	25	25	25	25	27	26	26	26	26	26	26	26	27	27	27	23	23	23	22	22	25
22	22	22	22	22	22	22	22	24	26	26	25	24	24	24	24	23	26	24	22	22	22	23	26	26	24
23	22	22	22	22	23	23	22	22	22	22	22	22	22	21	21	22	22	22	22	22	22	22	22	22	22
24	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	22	23	23	23	23	23	23
25	22	23	22	22	22	22	22	24	29	29	26	26	26	26	24	24	26	26	23	23	23	22	22	25	24
26	27	26	23	24	22	22	20	22	24	22	22	22	23	25	24	24	24	24	24	24	24	22	22	22	23
27	22	22	22	22	21	21	21	21	21	21	21	21	22	24	24	24	26	26	26	26	26	26	26	26	23
28	25	24	22	22	22	22	22	28	29	27	27	24	23	23	23	23	23	22	24	24	24	23	23	23	24
29	23	23	23	23	23	23	23	23	26	26	26	26	26	26	26	26	26	26	24	24	24	25	25	25	25
30	24	24	24	24	24	24	24	24	24	24	24	24	23	23	23	23	23	23	23	23	23	23	23	23	24
31	22	22	22	22	22	22	22	22	22	22	22	22	23	23	22	23	22	22	21	21	21	25	24	24	22
MEAN	22	22	22	22	22	21	21	22	24	24	23	22	22	22	22	24	25	24	23	23	23	23	23	23	23

PERCENTAGE OF DATA VALID - 94

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 67 COLLEGE ST TORONTO OAMST

NO 31001

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	22	22	22	22	24	23	24	24	26	26	26	26	***	26	25	24	25	24	23	23	23	23	23	24
2	23	23	23	23	23	23	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	22
3	23	23	23	23	23	22	22	23	27	26	25	26	26	22	22	22	24	24	27	25	24	24	28	31	24
4	30	28	27	25	25	25	24	24	27	26	26	27	27	27	27	27	27	28	27	26	26	24	24	24	26
5	26	26	26	26	26	26	26	27	31	31	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
6	19	20	19	19	20	19	18	18	18	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19
7	19	19	19	19	19	22	26	28	24	23	20	20	20	20	20	20	20	22	21	21	22	22	23	21	
8	23	23	22	22	21	21	21	21	22	22	22	21	20	22	22	22	22	22	22	19	19	19	19	19	21
9	19	19	18	18	18	18	18	18	18	18	17	18	23	24	24	24	26	26	26	25	25	25	25	25	21
10	25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	28	28	26	26	27	27	27	27	27	26
11	27	26	26	26	26	26	26	26	27	27	26	27	27	27	29	30	28	28	27	27	27	27	27	27	27
12	26	25	26	26	26	26	27	28	31	33	33	33	30	30	31	30	34	34	40	33	26	26	25	24	29
13	24	24	25	23	23	22	22	22	22	22	24	24	23	22	23	24	24	24	24	24	24	23	23	23	23
14	23	23	23	23	23	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23	23	23	23
15	23	23	23	23	23	23	23	25	26	26	26	26	26	26	24	24	24	24	24	24	24	24	24	24	24
16	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	21	22	22	21	19	19	21	22	21	***
17	20	20	20	20	20	20	20	31	26	24	23	23	24	26	26	26	26	24	22	22	22	21	22	22	23
18	22	22	22	22	22	22	22	24	27	26	25	25	25	22	23	24	23	23	22	22	22	22	22	22	23
19	22	20	20	20	20	20	19	22	22	20	22	23	23	23	23	25	26	26	26	26	26	26	24	25	23
20	23	23	23	23	23	23	23	23	26	28	30	33	41	44	40	38	38	30	25	26	26	24	22	22	28
21	21	21	21	21	21	19	19	19	19	18	18	18	18	18	20	20	21	20	20	22	22	22	22	22	20
22	22	22	22	22	22	22	22	24	26	24	24	24	22	22	21	21	21	21	20	20	20	21	21	18	20
23	18	18	18	18	16	19	19	24	26	23	23	26	20	20	20	20	20	20	20	20	22	22	22	22	21
24	19	17	18	18	18	18	18	18	18	21	19	19	19	19	19	21	23	22	22	22	20	20	20	20	20
25	21	21	21	21	20	20	22	22	22	24	21	21	20	20	20	21	22	22	22	26	26	27	22	22	22
26	21	22	27	38	32	27	25	24	35	32	28	26	26	26	26	22	24	26	26	22	23	23	23	23	26
27	24	22	21	21	21	21	18	18	18	18	18	18	16	18	16	16	16	16	16	16	16	16	16	16	18
28	16	16	16	16	16	16	16	16	16	16	16	16	14	14	15	15	15	15	15	15	17	17	17	17	16
MEAN	22	22	22	22	22	22	22	23	24	24	23	23	23	23	23	24	24	24	23	23	23	23	23	23	23

PERCENTAGE OF DATA VALID - 97

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 67 COLLEGE ST TORONTO OAMST NO 31001

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	15	15	15	15	15	15	17	17	16	16	16	15	15	16	16	18	14	20	22	22	22	20	18	17
2	19	20	22	22	21	21	22	22	23	20	22	21	21	22	22	20	20	21	21	21	19	18	18	18	21
3	18	18	18	18	19	22	21	22	23	22	22	22	22	22	22	22	22	22	22	11	22	22	22	21	21
4	21	21	19	19	19	19	20	21	22	19	18	18	17	17	17	15	18	18	19	19	19	20	20	21	21
5	18	18	18	18	17	18	18	18	18	18	16	16	16	16	16	19	17	17	16	16	18	18	19	19	19
6	14	14	14	14	14	16	16	16	16	16	16	16	14	14	14	14	14	14	14	14	14	14	14	14	17
7	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15	15	15	14
8	15	15	15	15	15	15	15	15	17	17	15	15	15	15	15	15	17	18	18	18	18	18	18	18	16
9	18	19	21	22	26	25	27	29	29	28	18	18	18	18	18	19	19	21	20	18	18	18	18	19	21
10	18	18	17	17	18	18	18	18	19	20	20	20	18	18	18	18	19	19	19	20	22	26	25	22	19
11	21	19	19	18	23	23	23	26	22	22	22	28	30	29	32	32	34	34	33	31	31	30	28	32	27
12	38	35	32	30	28	28	28	28	31	30	31	31	30	30	30	30	30	30	30	30	29	29	28	28	30
13	26	26	29	40	37	34	33	29	28	26	29	28	28	28	28	28	28	28	29	32	34	34	46	48	32
14	48	48	45	33	33	33	34	33	31	31	30	30	28	29	29	29	29	29	29	29	27	27	27	27	32
15	28	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	27
16	27	27	27	26	27	27	28	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	27
17	27	27	27	26	27	27	28	29	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	27
18	29	28	28	28	28	28	30	32	35	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
19	29	28	28	28	28	28	30	32	35	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
20	29	28	28	28	28	28	30	32	35	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
21	29	28	28	28	28	28	30	32	35	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
22	29	28	28	28	28	28	30	32	35	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
23	29	28	28	28	28	28	30	32	35	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
24	29	28	28	28	28	28	30	32	35	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
25	29	28	28	28	28	28	30	32	35	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
26	29	28	28	28	28	28	30	32	35	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
27	29	28	28	28	28	28	30	32	35	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
28	29	28	28	28	28	28	30	32	35	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
29	29	28	28	28	28	28	30	32	35	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
30	29	28	28	28	28	28	30	32	35	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
31	22	20	21	26	25	25	26	28	22	22	21	21	21	21	21	21	23	23	22	22	20	20	23	21	22
MEAN	24	24	24	24	24	24	24	24	25	24	23	23	23	23	23	23	24	24	24	23	24	24	24	24	24

PERCENTAGE OF DATA VALID - 85

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 67 COLLEGE ST TORONTO OAMST NO 31001

MONTH APR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	22	20	20	20	21	22	24	24	25	24	24	22	21	20	18	22	25	23	23	22	22	22	22	22
2	23	23	23	23	23	22	22	22	22	22	22	23	23	23	24	24	24	24	25	23	23	22	22	22	23
3	22	22	22	22	22	22	22	23	23	22	22	22	22	23	23	23	24	22	22	23	23	23	23	24	23
4	24	25	26	26	26	25	26	26	28	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
5	11	10	9	7	7	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
6	14	14	13	11	11	12	11	11	13	13	11	13	13	13	13	13	13	13	13	13	13	13	13	13	13
7	23	26	24	21	20	18	17	22	19	17	14	14	15	18	18	18	18	18	18	18	18	18	18	18	18
8	12	12	12	12	12	12	12	14	13	13	13	14	16	16	14	14	16	16	15	16	16	16	16	16	15
9	19	20	20	20	23	21	22	32	25	15	15	15	16	16	15	15	15	15	14	14	19	28	37	23	20
10	27	26	21	22	22	21	24	30	22	22	22	24	26	30	27	27	24	19	19	21	21	30	38	46	25
11	29	17	16	16	18	18	20	19	17	17	14	14	13	14	18	18	18	17	16	16	16	15	15	15	17
12	14	14	14	14	14	14	14	14	16	16	16	16	14	14	14	14	16	16	15	16	16	16	16	16	15
13	18	18	18	18	18	18	22	21	20	17	19	18	16	16	18	16	17	17	16	18	18	17	17	17	18
14	17	15	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	17	17	17	17	15
15	21	18	18	16	14	14	14	14	14	14	14	14	14	14	16	15	15	15	15	15	15	16	16	18	15
16	18	16	14	18	18	17	17	17	16	14	17	17	16	16	16	16	16	16	18	16	15	16	17	16	16
17	16	14	14	14	14	14	14	14	15	21	19	21	20	16	16	17	17	19	18	20	18	16	17	14	17
18	17	16	16	16	16	18	17	16	26	22	20	20	20	22	20	20	23	23	20	25	23	20	24	21	20
19	19	22	15	14	14	14	14	14	14	15	15	15	14	15	15	15	16	15	14	14	14	14	14	14	15
20	14	14	14	14	14	14	13	14	14	14	14	14	14	13	13	13	14	14	13	14	14	14	14	14	13
21	14	13	12	13	13	13	14	14	14	14	14	14	12	12	12	11	11	11	11	11	11	11	11	11	11
22	14	14	14	14	14	12	12	12	12	12	10	10	12	12	12	12	12	12	12	12	12	12	12	12	12
23	12	12	12	12	12	12	14	14	14	14	12	12	13	14	14	14	14	14	14	14	14	14	14	14	13
24	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	13
25	14	12	13	13	13	14	14	14	14	14	14	14	13	13	13	13	13	13	13	14	13	12	12	12	13
26	12	12	12	12	12	12	14	14	14	14	12	12	13	14	14	14	14	14	14	14	14	15	15	15	13
27	14	14	13	13	13	13	14	17	17	18	14	13	14	14	14	14	14	14	14	14	14	14	14	14	13
28	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
29	17	15	14	14	14	14	14	14	17	18	17	16	16	16	17	18	18	17	17	18	18	18	18	18	17
30	15	14	14	14	14	14	14	16	18	17	15	15	14	17	16	16	15	15	16	16	16	14	14	16	15
MEAN	18	17	16	16	16	16	17	18	18	17	17	17	16	17	17	17	17	17	17	17	17	17	18	18	17

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 67 COLLEGE ST TORONTO OAMST

NO 31001

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	19	20	20	20	20	22	22	22	22	20	20	18	18	18	18	16	16	16	16	17	18	18	19	
2	18	18	18	18	18	18	17	17	17	17	17	17	18	18	20	20	20	20	20	20	20	20	18	19	
3	19	19	19	19	19	19	19	19	19	19	19	19	18	19	18	19	19	18	18	18	20	22	22	20	19
4	22	25	24	22	22	22	22	24	23	21	20	19	18	19	19	19	19	19	19	19	19	19	18	22	21
5	23	25	30	26	26	20	20	26	27	21	21	21	21	20	21	24	23	26	26	23	22	23	26	22	22
6	17	18	18	18	18	18	19	22	20	19	18	18	18	18	18	18	18	18	18	18	18	24	26	19	
7	22	20	20	20	20	19	25	30	27	24	21	19	19	18	18	18	18	16	17	17	18	19	19	18	20
8	22	28	34	36	25	28	29	29	24	28	23	23	23	23	23	26	23	21	22	22	25	28	23	20	26
9	21	20	19	18	18	17	18	19	19	19	23	22	23	23	23	23	23	23	23	23	23	23	23	23	23
10	DATA MISSING -																								
11	23	23	23	23	23	23	23	23	23	23	26	26	26	22	19	19	19	19	19	19	19	19	19	18	23
12	17	17	17	17	17	17	17	19	19	19	20	22	22	22	19	18	18	18	18	18	18	18	18	18	18
13	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	17	17	17	17	18	18	18	18
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15	22	22	22	22	23	26	30	30	30	30	25	24	25	21	22	24	26	23	22	24	24	26	29	26	25
16	26	24	23	23	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21	22	21	23	24	26
17	26	26	22	22	22	22	22	22	22	21	21	21	21	20	21	21	21	21	23	22	22	22	24	25	22
18	22	22	20	21	22	23	25	27	24	22	25	21	21	20	18	18	19	18	18	18	18	18	18	21	21
19	16	16	16	16	15	16	17	24	22	18	19	18	18	18	17	17	17	17	20	23	25	22	19	18	21
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21	17	18	18	18	18	18	19	21	21	21	24	22	21	21	21	21	20	20	22	21	22	18	18	20	
22	18	18	20	22	20	20	21	23	22	22	22	20	20	19	18	18	18	18	18	18	18	18	18	19	
23	21	26	22	21	20	25	41	33	23	19	19	18	19	17	18	18	18	18	19	22	23	23	23	22	
24	21	21	18	21	20	20	19	20	20	19	20	22	22	24	23	23	23	23	23	23	23	23	23	21	
25	22	21	20	20	20	19	19	20	19	19	20	20	20	20	20	21	20	19	20	20	20	21	21	22	
26	22	20	20	20	22	25	26	25	22	20	21	21	22	22	22	22	22	22	22	24	25	29	25	20	
27	22	22	21	21	20	22	27	34	34	32	26	24	22	22	22	25	22	22	22	22	22	22	22	24	24
28	29	29	29	29	29	30	34	36	33	30	25	22	20	22	23	25	23	22	22	26	29	28	26	27	27
29	27	26	26	26	25	26	26	26	30	27	27	26	26	26	26	26	26	26	25	26	26	26	26	26	26
30	21	21	21	21	21	21	23	24	23	22	22	21	21	20	20	21	21	20	20	21	21	22	22	21	22
MEAN	21	21	21	21	21	21	23	24	23	22	22	21	21	20	20	21	21	20	20	21	21	22	22	21	22

PERCENTAGE OF DATA VALID - 89

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 67 COLLEGE ST TORONTO OAMST

NO 31001

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	27	27	27	30	32	31	34	30	28	26	22	21	22	21	21	22	26	26	26	26	27	27	28	28	26
2	29	32	33	34	33	36	41	33	30	29	27	26	28	27	26	25	23	21	19	18	18	18	19	20	27
3	20	21	21	22	22	20	20	18	18	20	20	19	19	21	16	16	15	14	14	14	14	14	16	15	18
4	14	14	14	14	14	15	18	17	15	15	14	14	18	18	21	19	19	19	19	19	19	19	19	18	17
5	18	18	18	17	18	18	20	22	22	21	21	21	22	23	23	23	24	24	25	26	29	28	29	31	24
6	30	30	28	27	25	25	25	26	25	23	22	22	23	23	22	22	22	22	21	21	20	20	20	24	24
7	20	20	20	18	18	18	18	18	18	21	25	26	26	26	26	26	26	26	24	24	24	25	25	26	23
8	26	26	26	26	26	26	26	26	27	26	27	27	28	26	26	26	26	27	27	27	27	28	27	26	27
9	26	27	27	26	26	26	26	24	22	19	16	14	13	13	12	11	16	23	25	25	24	24	22	20	21
10	17	14	14	15	21	22	24	26	25	25	26	27	27	24	24	24	24	22	20	20	20	20	22	21	22
11	22	22	22	22	20	21	22	22	22	21	21	21	21	21	21	20	21	20	20	20	22	22	22	22	21
12	21	21	21	21	21	21	24	24	22	22	21	21	22	26	24	22	22	22	22	22	22	23	23	23	22
13	23	23	22	22	22	23	27	29	29	27	30	26	26	26	24	25	27	26	24	24	23	24	27	32	34
14	35	25	25	24	24	26	28	26	26	26	26	26	26	31	37	34	34	30	30	34	34	33	34	35	30
15	35	25	25	24	24	26	28	26	26	26	26	26	26	31	37	34	34	30	30	34	34	33	34	35	30
16	22	22	23	23	22	25	25	26	25	27	26	23	24	22	22	22	22	21	21	21	21	25	30	31	24
17	29	26	25	25	35	42	42	33	23	26	31	28	28	24	22	22	22	22	22	26	30	27	24	22	27
18	22	22	22	22	25	29	38	41	34	40	29	24	24	24	26	27	25	23	27	34	35	26	23	23	28
19	30	61	37	39	41	34	40	38	30	26	26	26	26	25	25	26	23	23	22	25	26	24	22	22	30
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21	22	21	21	21	21	23	24	25	26	26	22	21	21	21	20	21	21	20	20	22	22	25	23	25	22
22	24	23	23	23	23	24	23	24	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
23	21	20	20	20	20	20	21	22	23	22	21	21	21	20	21	22	22	20	20	20	20	21	24	23	21
24	23	25	26	24	23	23	26	26	25	22	22	22	22	23	25	23	22	22	22	26	23	26	31	31	24
25	30	28	31	30	27	23	31	27	26	27	26	27	30	31	27	26	30	28	27	30	27	30	27	28	24
26	26	26	23	22	22	22	23	26	23	22	25	23	25	26	24	10	26	24	26	25	24	24	23	23	24
27	21	21	22	20	22	22	30	28	26	27	26	26	26	25	24	26	23	25	26	23	22	22	22	23	24
28	23	23	23	23	21	21	22	22	23	22	21	21	23	23	25	25	23	23	23	25	28	28	27	26	24
29	24	22	22	22	22	22	24	23	22	22	21	22	22	22	22	22	21	21	20	22	23	26	26	22	22
30	22	22	25	23	22	24	25	28	27	23	22	22	22	22	22	22	21	21	20	21	22	21	22	22	23
31	22	22	23	22	21	21	24	23	21	22	22	22	16	16	17	18	18	18	18	18	18	19	20	20	20
MEAN	24	24	24	23	24	24	27	26	25	24	24	23	23	23	23	23	23	22	23	23	24	24	24	24	24

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 67 COLLEGE ST TORONTO OAMST

NO 31001

MONTH SEP 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	20	18	18	18	18	22	22	16	16	15	14	14	14	16	20	20	18	20	20	20	20	21	20	18
2	20	20	22	21	24	27	30	37	35	34	27	30	26	27	25	27	25	27	26	30	34	36	25	23	27
3	25	26	28	28	30	26	26	29	26	27	26	26	26	25	24	26	24	23	23	26	28	30	25	22	26
4	22	22	22	22	22	22	22	23	22	21	21	22	21	21	20	22	20	20	19	21	20	20	22	22	21
5	24	24	22	22	22	22	22	22	21	21	21	22	22	22	22	22	21	23	28	30	28	26	30	29	24
6	29	30	26	29	33	27	26	30	27	25	22	22	22	41	26	25	25	24	24	27	30	30	24	22	27
7	22	22	22	22	24	23	26	30	***	24	25	23	22	22	25	22	23	23	25	26	29	29	27	30	25
8	27	27	30	22	18	26	28	30	30	26	26	28	27	26	28	29	27	28	28	28	28	26	27	27	27
9	26	26	25	25	24	24	24	26	26	27	25	25	26	26	21	21	19	19	23	22	21	21	20	26	24
10	30	27	24	21	22	24	25	26	30	19	21	19	21	21	20	19	22	21	20	21	22	24	23	24	23
11	21	25	32	34	37	34	29	34	26	26	24	20	19	19	19	18	16	18	18	18	17	17	16	23	
12	18	18	18	18	18	19	19	18	18	18	18	18	18	18	18	18	21	23	24	21	18	20	19	18	19
13	18	18	18	18	18	18	18	22	23	25	23	23	21	22	22	21	21	20	19	18	18	18	18	18	20
14	19	18	18	18	18	18	19	22	22	22	21	20	20	20	21	22	22	21	21	19	21	22	23	24	20
15	24	22	22	22	22	20	19	22	22	22	22	21	21	22	19	18	18	18	18	19	19	19	19	19	20
16	20	20	20	20	20	20	22	27	29	29	26	23	22	22	22	22	22	24	27	30	26	27	24	22	24
17	21	21	21	20	21	19	21	23	22	22	***	22	22	22	21	22	23	23	22	26	26	26	26	26	23
18	20	20	19	18	18	22	18	20	18	17	16	16	16	15	18	17	17	18	17	18	18	18	18	19	18
19	17	17	19	18	17	17	17	17	17	17	16	16	19	19	19	19	21	21	23	22	23	27	26	26	20
20	25	23	22	22	25	30	40	29	25	23	23	23	24	23	26	26	27	22	22	22	21	21	21	21	24
21	21	22	22	22	22	22	24	27	26	24	22	22	22	22	24	24	24	23	24	23	23	23	27	28	23
22	26	30	42	44	34	32	39	62	42	29	21	21	19	20	20	23	22	22	26	26	22	26	26	26	29
23	19	20	20	20	20	20	22	24	22	22	22	21	22	23	23	22	21	21	20	20	21	21	21	21	21
24	18	19	18	19	21	24	25	25	24	24	22	21	18	19	21	22	22	21	23	23	22	22	25	23	22
25	22	22	22	21	21	21	21	22	23	24	20	18	18	18	18	18	18	18	20	21	25	28	25	26	21
26	24	23	25	19	19	20	19	20	20	19	19	19	17	17	18	18	17	18	20	19	21	22	20	18	20
27	15	15	16	16	15	15	18	18	16	18	16	18	19	19	19	19	18	19	19	18	19	19	19	20	18
28	19	19	19	19	18	18	19	20	20	20	22	22	25	27	24	24	23	25	27	27	32	34	25	21	23
29	21	21	21	21	21	20	20	25	23	24	21	21	19	19	19	19	19	19	19	20	20	18	18	19	20
30	20	18	18	21	17	18	24	23	22	21	19	19	19	19	19	22	21	21	20	20	22	22	20	20	20
MEAN	22	22	22	22	22	22	24	26	24	23	22	21	21	22	21	22	21	21	22	23	23	24	23	23	22

PERCENTAGE OF DATA VALID - 99

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 67 COLLEGE ST TORONTO OAMST

NO 31001

MONTH OCT 71

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	21	20	19	19	19	30	28	23	21	23	22	22	22	24	27	24	24	26	28	34	56	36	23	26
2	26	27	30	30	30	29	32	30	26	26	24	21	20	20	21	21	20	20	21	21	23	27	29	26	25
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5	20	20	19	18	19	19	23	26	24	22	20	19	19	19	19	19	19	19	18	18	18	18	18	18	20
6	18	18	18	18	16	***	***	***	***	***	***	***	***	***	19	19	19	19	19	19	19	18	18	18	***
7	20	20	19	19	18	18	18	19	19	19	19	19	18	18	18	20	20	20	20	18	18	18	18	20	19
8	19	19	20	20	19	20	20	28	25	21	20	18	24	22	24	23	22	24	23	25	22	22	22	22	22
9	21	22	22	21	21	20	22	22	22	22	23	24	23	23	23	24	22	22	24	22	22	22	23	22	22
10	23	22	23	23	22	22	24	26	26	26	24	22	20	19	19	19	20	20	21	23	21	21	21	21	22
11	20	22	21	22	22	22	22	22	22	22	22	22	22	21	21	21	20	21	20	20	20	20	20	20	21
12	22	22	22	22	22	22	24	26	23	23	22	20	21	21	21	21	21	21	22	22	22	22	28	28	23
13	24	24	24	25	25	24	26	31	31	30	28	28	25	26	24	25	25	25	25	26	24	26	26	26	26
14	29	30	30	30	27	26	29	34	29	30	28	27	26	26	26	30	33	27	26	26	26	27	27	25	28
15	26	26	26	26	26	25	27	30	32	30	30	29	26	26	28	32	35	35	31	50	57	46	34	33	32
16	34	33	34	31	28	29	30	26	26	26	26	30	30	26	26	25	26	26	29	27	25	24	25	25	25
17	24	24	22	22	22	22	22	22	22	22	22	22	20	19	19	20	23	23	26	26	26	26	26	24	23
18	22	22	22	22	22	22	24	29	28	29	30	33	32	28	32	37	30	30	32	34	31	34	38	37	29
19	34	34	31	29	27	27	28	30	24	24	25	24	27	28	28	27	27	27	28	30	31	31	30	29	28
20	28	30	36	38	35	38	48	51	42	47	38	33	33	34	32	30	31	30	33	33	34	35	32	34	36
21	31	33	32	32	32	34	42	39	41	50	38	43	51	30	32	34	32	30	27	28	29	29	31	31	34
22	31	30	28	26	26	28	30	38	44	42	41	32	30	31	34	28	38	34	31	34	45	39	34	32	34
23	34	32	28	26	26	28	26	26	26	25	26	26	25	25	23	23	23	25	26	25	24	24	23	23	26
24	23	23	23	23	23	23	23	23	23	23	23	22	26	26	26	26	25	24	24	24	26	24	24	24	24
25	23	23	23	23	24	24	26	30	32	34	31	26	26	26	26	26	27	27	25	25	27	26	24	23	26
26	25	24	23	23	23	23	23	30	29	28	26	24	25	26	26	29	28	25	26	25	24	25	25	25	25
27	25	25	26	26	26	26	29	30	29	27	26	26	26	27	30	32	34	30	28	28	30	36	30	26	28
28	27	27	27	27	27	30	36	38	30	27	26	26	28	28	27	28	28	35	44	34	33	42	36	30	31
29	28	27	26	26	26	36	32	34	36	34	31	27	30	37	26	27	27	26	28	31	28	27	27	27	29
30	31	28	28	26	28	26	26	26	35	36	38	35	30	30	29	30	29	31	30	27	26	27	26	24	29
31	23	23	23	23	23	24	24	24	25	26	29	26	25	25	25	26	28	26	26	25	24	24	24	24	25
MEAN	25	25	25	24	24	25	27	29	28	28	27	25	26	25	25	25	25	25	26	26	27	28	26	25	27

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 67 COLLEGE ST TORONTO OAMST

NO 31001

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	24	24	24	24	24	28	32	31	32	32	30	27	26	27	28	33	38	40	41	40	34	33	30	30
2	26	25	25	25	24	25	26	30	26	24	23	22	27	26	22	22	23	23	24	25	24	24	23	23	24
3	23	23	23	23	23	23	23	25	26	24	24	22	22	22	22	21	22	23	23	23	23	24	23	23	23
4	23	23	22	22	22	22	22	23	25	25	22	22	22	22	22	22	23	25	23	23	23	24	25	25	23
5	24	24	22	25	26	26	26	30	25	26	26	24	24	24	24	24	26	26	26	27	26	25	24	24	25
6	24	24	24	24	25	25	25	25	25	25	25	25	25	24	24	24	24	24	23	23	23	23	24	24	24
7	22	22	21	22	22	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	25	25	22
8	- DATA MISSING -																								
9	15	16	16	16	17	17	17	18	18	17	18	18	16	16	17	17	17	17	17	17	17	17	15	14	17
10	15	16	16	16	17	17	17	18	18	17	18	18	16	16	17	17	17	17	17	17	17	16	15	15	17
11	15	15	15	15	15	15	15	15	15	15	14	14	14	14	14	16	18	18	17	18	17	18	18	19	16
12	18	18	18	18	18	18	20	23	27	26	23	20	19	18	18	18	19	18	18	18	19	22	19	21	20
13	26	24	18	17	26	17	18	18	19	17	16	16	16	16	16	18	17	16	16	16	15	15	15	15	18
14	15	15	15	15	15	15	15	15	15	15	15	15	14	14	14	14	14	14	14	14	14	14	14	14	15
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17	24	20	18	15	15	15	15	18	23	22	17	15	14	17	18	20	23	23	23	19	21	20	24	29	20
18	26	23	22	22	21	32	22	19	25	31	24	22	22	27	25	31	31	22	14	14	14	14	14	14	22
19	14	14	14	14	13	13	12	12	14	15	15	13	11	12	14	16	18	18	17	16	16	16	16	16	15
20	16	16	16	15	15	15	15	17	18	18	18	18	16	16	16	15	15	15	17	17	17	17	17	17	16
21	15	15	16	16	16	16	16	15	14	14	14	14	15	15	15	15	14	14	14	14	14	14	14	14	15
22	15	15	14	14	14	14	14	14	15	15	16	16	17	16	14	14	16	16	16	16	16	14	14	15	15
23	16	16	16	16	16	16	18	18	20	22	22	16	17	14	14	15	15	15	15	17	15	15	15	14	16
24	14	14	14	14	14	14	14	14	16	17	16	17	18	17	19	17	16	18	18	18	17	17	17	18	16
25	20	21	20	18	16	16	17	20	22	21	22	22	21	21	20	20	20	20	20	20	20	20	20	20	20
26	- DATA MISSING -																								
27	- DATA MISSING -																								
28	- DATA MISSING -																								
29	- DATA MISSING -																								
30	- DATA MISSING -																								
MEAN	19	19	18	18	18	19	19	20	21	21	20	19	19	19	19	20	20	21	20	20	20	20	20	20	19

PERCENTAGE OF DATA VALID - 76

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - 67 COLLEGE ST TORONTO OAMST

NO 31001

MONTH DEC 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25	22	20	20	21	19	19	19	20	21	22	22	22	22	22	22	22	23	23	25	26	25	26	26	22
2	22	23	22	22	22	22	22	24	25	25	23	24	22	23	22	22	24	25	24	23	23	22	22	22	24
3	22	22	22	22	22	22	22	22	23	22	21	21	21	21	21	21	21	21	22	22	21	21	24	24	22
4	24	22	22	22	22	22	21	22	21	22	22	22	21	21	21	21	22	22	22	22	21	24	22	21	22
5	20	20	20	21	21	22	22	22	23	23	22	22	22	26	26	27	26	24	23	23	22	23	25	26	23
6	27	27	25	24	23	22	23	27	30	28	25	24	22	22	22	22	22	22	22	22	22	22	22	22	22
7	- DATA MISSING -																								
8	- DATA MISSING -																								
9	- DATA MISSING -																								
10	- DATA MISSING -																								
11	- DATA MISSING -																								
12	- DATA MISSING -																								
13	22	21	22	22	22	22	22	26	30	35	22	20	22	22	21	23	26	25	24	22	22	20	20	20	22
14	22	22	22	22	22	21	20	20	19	19	21	21	22	22	22	22	26	22	22	21	20	19	21	21	21
15	22	21	21	21	19	20	20	20	20	22	24	24	22	22	22	22	18	16	15	14	13	13	14	14	19
16	14	14	14	12	12	13	13	14	16	17	18	21	16	14	14	13	11	11	14	14	13	11	13	13	14
17	14	12	11	10	10	10	9	9	9	10	11	12	14	12	12	12	11	11	12	12	11	11	11	11	11
18	13	14	13	13	12	11	11	11	11	11	11	11	11	12	12	12	12	12	12	14	14	14	14	13	12
19	13	13	13	13	13	13	13	16	16	18	18	18	16	15	15	18	20	18	17	18	18	18	15	15	16
20	16	16	14	14	16	15	15	17	19	21	22	17	16	16	16	15	15	15	15	15	14	13	13	13	16
21	13	13	13	13	13	13	13	13	13	13	13	13	13	13	14	14	14	15	18	20	20	22	17	13	15
22	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	13	16	15	14	14	14	14	14	14	14
23	14	14	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
24	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12	12	12	11	11	11	11	11	11	11	12
25	14	14	14	13	13	13	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
26	13	13	13	13	13	13	13	13	13	13	13	13	13	14	14	14	15	14	14	14	17	19	14	15	14
27	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	14	14	14	14	14	14	14
28	15	14	14	14	14	14	14	14	14	14	15	15	15	14	14	14	15	15	14	14	14	14	14	14	14
29	15	14	14	12	12	12	12	12	12	12	12	12	12	12	12	13	14	12	12	11	11	11	10	10	12
30	11	11	11	10	11	11	12	13	19	17	16	14	14	14	14	14	18	18	14	14	14	14	14	14	14
MEAN	17	17	16	16	16	16	16	18	18	18	18	18	17	17	17	17	18	17	17	17	17	17	17	17	17

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - COLLEGE 1ST FL S TORONTO OAMST NO 31081

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	15	15	15	15	16	17	19	20	19	17	20	17	17	17	18	21	20	21	22	22	20	20	20	18
2	19	19	20	20	19	20	19	21	22	18	19	19	19	19	20	20	18	****	****	****	****	****	****	****	19
3	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
5	17	16	16	15	16	17	18	21	21	20	18	19	19	18	19	23	****	****	****	****	****	****	****	****	18
6	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
7	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
8	21	21	19	19	22	22	23	26	26	21	21	22	25	29	28	25	23	22	22	22	22	22	22	22	23
9	23	27	26	25	25	26	28	24	20	21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	21
10	15	15	16	16	18	19	21	21	23	17	14	13	11	12	12	13	15	14	13	13	12	12	13	12	15
11	11	11	11	11	11	10	10	10	11	12	11	10	12	10	11	10	12	12	11	10	11	12	13	10	11
12	11	11	10	11	11	13	14	21	14	15	13	13	19	20	22	22	24	23	22	21	21	21	20	24	17
13	30	25	23	22	20	19	22	22	21	19	20	21	20	21	23	23	22	22	23	24	22	22	23	22	22
14	20	21	25	33	30	29	24	22	20	21	21	21	22	21	22	21	22	22	23	25	26	28	41	41	25
15	45	38	30	26	24	24	26	28	25	24	24	22	21	24	21	22	23	22	20	21	20	19	19	21	25
16	19	20	20	19	19	19	19	21	21	21	21	20	21	22	23	24	25	23	23	21	21	22	22	22	21
17	21	21	21	21	21	21	22	24	26	23	23	24	22	22	23	23	25	23	23	23	23	23	23	25	23
18	25	24	24	23	22	24	24	26	25	27	28	25	24	25	26	26	27	27	26	26	25	24	25	24	25
19	25	24	24	23	22	22	23	22	24	24	23	23	22	22	22	25	26	28	28	26	26	23	22	22	24
20	21	21	21	21	21	21	20	20	22	21	22	22	****	****	****	****	****	****	****	****	****	****	****	****	****
21	****	****	****	****	****	****	****	****	****	****	****	****	21	20	20	20	20	21	21	20	21	21	21	23	23
22	22	22	22	21	21	21	21	22	22	22	23	24	24	23	23	26	27	23	22	22	23	24	23	22	23
23	23	23	23	22	21	23	22	23	25	22	23	22	22	23	23	23	25	23	23	24	25	23	23	23	23
24	20	19	19	20	19	19	19	22	23	22	21	20	21	20	20	22	23	22	21	21	21	22	22	23	21
25	23	23	22	22	21	22	22	24	24	24	23	23	22	22	20	23	24	25	24	23	22	23	24	25	23
26	23	23	24	23	23	23	23	24	27	24	23	25	22	22	22	22	23	23	24	23	23	24	24	25	23
27	30	29	29	28	26	26	25	25	22	22	21	21	22	22	22	22	24	23	23	24	23	22	23	23	24
28	22	23	23	22	22	22	22	22	23	22	15	15	15	16	17	17	18	17	18	18	19	21	19	19	19
29	17	17	17	17	16	17	17	17	20	18	19	19	18	18	18	18	19	18	19	17	16	16	15	14	17
30	14	14	14	14	14	15	14	15	16	15	15	20	20	22	19	18	18	19	18	17	17	20	****	****	17
31	20	20	20	20	20	20	20	20	18	18	17	19	19	19	19	21	23	22	21	19	18	18	20	18	20
MEAN	21	21	21	20	20	20	21	22	22	20	20	20	20	20	20	21	21	21	21	20	20	20	21	21	21

PERCENTAGE OF DATA VALID - 84

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - COLLEGE 1ST FL S TORONTO OAMST NO 31081

MONTH APR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	18	18	18	18	18	19	21	22	21	20	20	21	21	21	25	33	35	31	27	20	22	21	19	22
2	19	18	18	18	18	19	19	19	21	22	20	21	19	21	22	21	22	21	19	21	21	19	20	20	20
3	18	19	19	18	18	18	20	19	19	18	19	20	19	19	20	18	20	17	14	15	15	15	14	14	18
4	14	14	14	14	14	15	15	16	15	15	15	15	16	14	14	15	14	15	15	15	15	14	16	17	15
5	16	16	16	17	16	16	18	20	22	20	21	***	17	16	17	18	21	18	20	19	18	18	18	18	18
6	18	18	18	17	17	18	19	21	25	23	18	17	15	16	15	19	21	18	22	23	20	20	19	19	19
7	17	15	15	15	15	15	15	17	20	19	17	19	38	18	17	17	20	19	17	20	18	18	19	18	18
8	17	16	16	16	16	16	18	19	20	23	21	21	19	18	18	23	29	24	20	20	20	18	20	25	20
9	25	27	26	25	25	25	24	28	26	24	19	21	18	18	19	19	19	19	22	20	19	20	20	20	22
10	19	19	19	19	19	19	21	21	20	20	20	20	19	19	19	19	20	19	22	25	24	24	25	25	21
11	25	27	26	26	28	28	30	39	30	25	23	23	24	21	21	24	24	25	23	23	27	31	40	34	27
12	30	30	27	29	28	28	30	32	30	28	28	30	30	36	35	35	31	28	26	27	29	34	43	48	31
13	40	27	24	25	27	30	29	29	31	29	29	29	23	23	25	24	27	24	22	22	21	21	21	21	26
14	20	20	20	20	20	20	20	21	23	22	22	23	21	21	21	21	26	23	22	22	22	22	22	22	22
15	22	22	22	22	22	23	25	25	25	24	25	25	22	24	22	22	25	25	23	23	22	22	22	23	23
16	21	21	21	20	20	20	20	20	21	21	21	21	21	21	22	21	24	22	21	23	25	25	26	25	22
17	26	25	24	22	20	20	20	20	21	22	22	22	22	23	23	23	23	24	23	23	23	23	23	24	23
18	25	25	23	24	24	24	24	26	23	23	29	25	25	25	25	25	25	26	26	26	26	26	27	25	25
19	25	25	25	25	24	24	24	28	36	31	36	34	33	35	31	37	***	***	***	***	***	***	***	***	30
20	- DATA MISSING -																								
21	****	****	****	****	****	****	****	****	****	****	13	13	14	14	14	14	15	14	13	14	14	14	14	14	****
22	12	12	12	13	12	13	13	14	14	15	14	13	13	15	14	14	15	15	14	15	15	15	15	15	14
23	13	13	12	12	12	12	13	14	13	13	11	12	12	14	17	16	18	17	16	16	16	17	19	19	14
24	16	17	16	15	16	15	15	15	14	14	13	13	13	13	14	14	13	12	13	13	13	14	14	14	14
25	13	13	12	12	12	12	13	12	12	11	12	11	11	12	13	12	12	12	12	13	13	12	13	13	12
26	13	13	14	13	13	13	15	18	14	16	17	15	16	17	16	18	17	16	16	16	16	16	16	15	15
27	15	16	15	15	15	15	19	22	21	21	19	20	19	19	19	20	18	15	18	17	16	16	16	16	18
28	16	16	16	16	16	16	20	23	21	20	19	20	20	21	22	32	36	37	46	38	21	22	23	24	23
29	20	19	17	17	17	17	19	20	20	19	19	19	19	21	22	22	20	20	20	20	20	19	20	17	19
30	17	18	17	17	18	17	22	24	24	22	22	21	24	21	21	23	22	23	23	22	22	22	23	23	21
MEAN	20	19	19	19	19	19	20	22	22	21	20	20	20	20	20	21	22	21	21	21	20	20	21	21	21

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - COLLEGE 1ST FL S TORONTO OAMST NO 31081

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	22	22	23	22	24	27	28	24	20	20	21	20	20	21	21	22	21	24	22	22	22	21	21	22
2	20	21	21	20	19	22	21	21	22	20	21	21	18	20	22	22	21	21	21	22	22	22	21	20	21
3	18	18	18	18	18	19	20	24	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
4	28	28	25	26	28	32	33	32	37	33	30	30	31	32	34	34	34	31	33	33	35	18	40	35	32
5	29	28	28	27	26	28	31	34	33	30	33	34	33	33	35	34	35	32	33	33	33	33	34	31	32
6	31	31	30	32	31	33	37	47	54	43	37	37	36	35	35	35	35	35	35	35	35	35	35	35	35
7	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
8	32	34	34	32	27	28	31	31	31	28	28	33	32	34	34	32	30	30	32	32	33	34	34	37	32
9	34	40	35	30	34	51	51	47	42	35	35	31	31	31	35	35	35	32	29	28	28	30	31	35	35
10	41	37	33	27	27	29	35	59	42	36	35	30	27	26	26	26	25	24	26	26	26	25	25	25	31
11	25	25	24	24	24	24	26	28	27	27	25	24	26	26	26	25	24	23	24	24	23	26	24	24	25
12	24	23	23	23	23	24	27	28	26	26	28	28	25	28	29	29	29	29	29	29	27	26	35	33	27
13	35	36	34	35	54	32	29	28	28	28	27	27	34	34	36	34	35	35	35	35	35	35	35	35	33
14	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
15	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
16	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
17	36	35	32	32	33	34	35	41	41	37	36	37	37	37	37	43	41	38	37	40	42	49	47	46	42
18	34	34	32	36	41	42	39	38	37	34	34	36	35	34	34	38	34	32	32	32	32	32	32	32	35
19	32	31	31	31	32	34	34	34	32	31	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
20	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
21	14	14	14	12	13	16	17	17	17	15	16	17	17	15	15	13	17	13	12	13	13	13	13	14	13
22	13	13	13	13	13	13	16	18	17	17	16	15	16	16	16	16	16	13	15	15	16	16	18	23	16
23	22	16	16	16	18	18	20	27	24	25	24	19	19	18	19	17	16	16	18	21	24	27	22	20	20
24	31	27	20	20	29	38	25	29	26	19	19	17	17	17	16	15	15	15	17	19	20	32	36	34	23
25	40	42	42	42	23	30	35	37	29	24	21	19	18	16	17	17	17	17	19	19	19	19	19	19	25
26	20	20	18	18	18	20	22	25	22	21	21	21	22	22	22	24	24	20	19	19	16	18	17	20	20
27	28	27	26	26	26	28	29	32	30	27	26	26	26	26	26	27	26	25	25	25	26	27	28	27	27
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
29	33	44	40	35	28	29	32	33	32	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
30	22	23	23	23	22	23	26	27	23	22	21	21	21	21	21	21	21	21	22	22	23	23	22	22	22
31	19	20	20	20	23	23	21	22	22	21	20	20	21	21	20	21	19	18	16	17	17	17	17	16	20
32	17	16	16	16	16	17	18	21	20	19	18	17	17	17	16	18	17	16	17	17	16	17	17	17	17
33	20	24	39	34	33	27	30	39	26	23	24	22	20	21	22	24	24	22	21	20	19	19	19	21	25
34	19	19	18	18	18	19	20	22	18	18	18	18	20	21	21	22	22	22	21	21	20	20	20	17	20
35	18	17	17	17	18	19	18	19	20	23	24	24	21	21	20	21	27	26	23	26	17	16	15	15	20
36	21	21	19	22	20	20	35	38	21	19	19	18	16	16	16	15	15	15	18	24	25	18	17	17	17
37	17	17	15	15	17	16	16	23	20	20	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16
38	22	18	18	21	20	24	28	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
39	17	17	17	17	19	15	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
40	22	18	18	21	20	20	24	28	22	22	22	22	21	21	21	21	21	18	19	19	19	19	22	21	21
41	22	23	23	23	22	23	26	27	23	22	21	21	21	21	21	21	21	21	22	22	23	23	22	22	22
42	22	23	23	23	22	23	26	27	23	22	21	21	21	21	21	21	21	21	22	22	23	23	22	22	22
43	22	23	23	23	22	23	26	27	23	22	21	21	21	21	21	21	21	21	22	22	23	23	22	22	22
44	22	23	23	23	22	23	26	27	23	22	21	21	21	21	21	21	21	21	22	22	23	23	22	22	22
45	22	23	23	23	22	23	26	27	23	22	21	21	21	21	21	21	21	21	22	22	23	23	22	22	22
46	22	23	23	23	22	23	26	27	23	22	21	21	21	21	21	21	21	21	22	22	23	23	22	22	22
47	22	23	23	23	22	23	26	27	23	22	21	21	21	21	21	21	21	21	22	22	23	23	22	22	22
48	22	23	23	23	22	23	26	27	23	22	21	21	21	21	21	21	21	21	22	22	23	23	22	22	22
49	22	23	23	23	22	23	26	27	23	22	21	21	21	21	21	21	21	21	22	22	23	23	22	22	22
50	22	23	23	23	22	23	26	27	23	22	21	21	21	21	21	21	21	21	22	22	23	23	22	22	22

PERCENTAGE OF DATA VALID - 68

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - COLLEGE 1ST FL S TORONTO OAMST NO 31081

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	19	19	19	19	22	26	25	22	21	21	19	15	22	22	22	22	20	21	20	22	20	19	19	21
2	20	20	20	19	19	19	20	23	21	21	22	23	23	23	25	27	34	46	43	41	44	45	30	22	27
3	25	24	24	26	28	25	29	31	24	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
4	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
5	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
6	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	14	17	21	15	9	11	DATA MISSING
7	17	17	18	18	18	21	28	34	29	20	13	13	14	14	14	14	14	13	13	13	13	13	14	14	17
8	16	16	16	16	17	20	20	22	18	20	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
9	19	20	21	22	22	23	25	24	22	28	29	29	30	27	29	29	28	25	28	28	28	28	27	25	26
10	29	25	24	27	30	32	33	29	28	23	23	22	22	22	22	22	22	21	21	21	24	22	25	24	25
11	26	27	27	25	32	37	30	28	34	28	25	24	24	24	24	24	24	22	25	31	44	55	49	60	31
12	57	57	48	42	28	24	29	28	33	21	21	20	21	22	20	20	20	24	24	32	33	29	27	25	29
13	23	31	26	23	22	26	28	32	21	21	21	21	21	21	21	24	23	21	21	21	21	20	20	23	23
14	20	20	20	20	20	20	20	24	21	24	25	22	22	22	20	21	21	19	18	18	21	18	19	18	20
15	22	25	22	22	22	24	21	22	22	23	22	22	23	23	23	25	25	24	25	25	24	24	26	27	23
16	26	33	41	29	30	39	72	35	29	30	28	27	29	32	29	29	28	25	28	29	29	28	29	31	32
17	28	28	35	36	35	36	38	51	41	34	32	30	29	24	27	29	28	28	26	27	28	28	30	31	32
18	33	44	40	35	28	29	32	33	32	27	28	28	28	22	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
19	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
20	19	20	20	20	23	23	21	22	22	21	20	20	21	21	20	21	19	18	16	17	17	17	17	16	20
21	17	16	16	16	16	17	18	21	20	19	18	17	17	17	16	18	17	16	17	17	16	17	17	18	17
22	20	24	39	34	33	27	30	39	26	23	24	22	20	21	22	24	24	22	21	20	19	19	19	21	25
23	19	19	18	18	18	19	20	22	18	18	18	20	21	21	23	22	22	21	21	22	21	20	15	17	20
24	18	17	17	17	18	19	18	19	20	23	24	24	21	20	21	27	26	23	26	17	16	16	16	16	17
25	17	16	16	16	16	15	15	16	15	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16	17
26	21	21	15	22	20	20	35	36	11	19	19	18	18	16	16	16	16	16	16	18	17	17	17	16	20
27	17	15	15	17	16	16	16	23	20	20	17	17	18	18	18	18	18	17	16	15	17	18	16	16	17
28	17	17	17	22	19	19	15	17	17	16	16	17	18	21	21	21	18	18	25	18	19	19	23	26	19
29	22	18	18	21	20	20	24	28	22	22	22	22	21	21	21	21	21	18	19	19	19	19	22	21	21
30	22	23	23	23	22	23	26	27	23	22	21	21	21	21	21	21	21	21	22	22	23	23	22	22	22
MEAN	22	23	23	23	22	23	26	27	23	22	21	21	21	21	21	21	21	21	22	22	23	23	22	22	22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - COLLEGE 1ST FL S TORONTO OAMST NO 31081

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	24	24	24	21	21	23	27	26	22	25	27	25	21	21	20	20	17	17	16	16	17	18	19	19	21
2	18	18	20	20	23	27	28	37	33	33	28	29	26	25	25	25	23	24	24	26	31	32	26	24	26
3	22	25	25	26	27	25	25	26	26	26	26	24	25	25	24	26	22	21	22	24	27	32	22	19	25
4	21	21	20	19	18	19	22	22	21	20	21	21	20	22	21	20	20	20	20	19	19	20	23	21	20
5	21	22	20	19	19	19	20	19	19	18	19	19	20	19	22	22	20	22	25	24	26	25	26	25	21
6	27	26	25	25	27	24	24	26	26	24	23	23	26	29	27	25	25	23	25	26	27	25	22	19	25
7	20	20	20	22	22	21	24	26	25	24	27	24	25	24	25	25	24	23	25	26	26	25	25	25	24
8	24	25	27	27	25	28	27	25	27	24	23	22	22	22	22	22	21	20	22	23	21	19	20	18	23
9	20	19	20	18	17	18	20	23	22	21	22	22	23	21	21	21	22	20	21	23	23	23	22	26	21
10	27	26	22	19	20	22	24	28	22	***	17	15	13	14	14	14	15	14	13	14	15	16	17	18	
11	17	18	22	24	26	26	24	25	20	18	17	15	14	14	13	13	13	14	16	13	13	14	15	17	
12	14	13	14	13	13	14	14	14	14	14	14	14	13	13	13	13	15	19	18	17	15	17	16	15	15
13	15	14	14	15	15	17	24	25	24	25	23	23	21	23	22	23	21	18	19	18	17	16	16	15	19
14	14	14	14	14	14	15	19	22	21	20	20	18	18	18	20	23	22	21	19	20	20	19	23	19	
15	23	21	20	22	23	19	20	23	23	20	20	21	20	21	19	19	16	16	18	19	19	18	18	18	20
16	18	16	17	17	17	17	21	27	29	28	29	22	20	21	19	18	18	17	17	20	21	20	21	19	
17	19	19	18	16	18	17	19	23	21	20	19	19	20	19	18	18	18	17	17	18	18	18	18	18	17
18	21	21	18	17	18	20	22	19	17	16	15	14	15	15	16	16	15	16	18	20	23	22	24	26	18
19	16	19	19	17	18	19	18	17	16	16	15	15	15	15	16	16	15	17	17	18	18	18	18	18	17
20	23	23	23	22	23	26	33	30	25	24	24	23	21	21	23	24	23	20	20	20	20	19	20	18	23
21	19	18	19	19	18	20	23	27	23	23	22	19	21	22	20	21	20	19	20	20	19	19	28	30	21
22	29	33	45	51	41	38	50	70	50	50	34	25	25	23	22	22	23	22	24	25	22	24	24	23	32
23	20	20	20	19	19	21	22	24	24	23	24	23	21	24	23	21	21	21	19	18	18	18	18	21	
24	20	20	20	20	21	22	23	23	23	24	20	20	19	19	20	21	20	23	24	25	23	25	25	24	22
25	21	23	22	22	22	22	23	23	24	26	23	19	18	18	18	19	19	21	24	23	26	29	28	30	23
26	26	25	26	22	22	22	22	22	22	22	21	19	19	19	17	16	17	18	20	21	21	22	21	20	21
27	20	21	21	21	22	24	26	27	25	25	24	24	23	24	27	28	25	25	24	23	23	21	23	24	24
28	22	21	21	21	22	22	23	27	24	27	28	28	30	33	32	31	30	30	30	33	38	43	36	30	24
29	25	25	24	24	23	24	26	32	30	30	30	***	***	***	***	21	22	20	20	20	21	20	21	22	21
30	20	19	24	24	22	25	30	33	30	27	25	25	22	***	24	30	28	25	25	27	29	31	26	24	26
MEAN	21	21	21	21	21	22	24	26	24	23	22	21	20	21	21	21	20	20	21	22	22	23	22	22	22

PERCENTAGE OF DATA VALID - 99

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - COLLEGE 1ST FL S TORONTO OAMST NO 31081

MONTH OCT 71

STATION COLLECTED FOR																										
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	22	22	22	22	22	24	38	35	34	32	30	30	28	28	31	35	34	31	32	37	48	70	64	35	34	
2	34	37	36	35	38	40	44	38	36	36	33	30	28	28	29	27	27	28	29	27	31	38	39	36	34	
3	45	38	29	26	24	22	23	22	22	22	22	22	22	21	21	21	22	22	22	23	22	22	22	21	24	
4	20	21	21	23	25	28	35	34	34	30	25	23	21	21	21	21	22	22	22	23	23	25	24	22	25	
5	23	22	22	22	22	24	31	33	33	30	27	26	25	25	25	25	23	23	23	23	23	25	24	22	25	
6	20	20	20	21	21	21	25	24	23	23	22	21	21	21	21	21	21	21	22	22	22	21	21	21	22	
7	19	19	19	19	19	20	23	21	19	18	19	19	20	20	22	24	24	23	23	21	21	21	23	25	21	
8	18	23	25	25	26	28	29	30	25	24	22	21	24	24	24	25	22	21	20	20	21	20	20	20	23	
9	19	19	19	19	19	20	21	20	20	20	22	23	21	21	21	21	19	20	21	19	19	21	21	21	20	
10	21	20	21	21	19	19	24	27	27	29	27	23	20	20	22	20	20	23	23	21	20	21	21	21	22	
11	21	21	21	21	21	21	21	21	21	21	21	20	19	19	18	18	18	18	18	20	21	21	21	21	20	
12	21	21	21	21	22	23	25	25	24	23	21	21	21	21	23	24	22	21	22	22	23	25	28	28	27	
13	25	25	25	24	25	25	26	30	31	31	33	29	27	27	25	26	29	25	24	24	23	25	27	28	27	
14	29	32	32	31	30	33	31	37	30	30	30	29	28	28	29	30	34	29	27	27	25	28	28	26	30	
15	26	27	27	26	24	25	26	30	31	31	31	33	34	30	29	29	38	40	38	33	46	58	46	34	29	
16	38	43	45	36	30	34	39	30	31	31	31	33	34	30	29	29	29	31	35	35	30	30	28	27	33	
17	27	27	25	25	25	24	24	24	24	25	26	27	27	27	27	27	28	29	29	29	28	28	29	28	27	
18	28	28	28	28	28	28	29	33	35	36	34	35	39	35	37	42	33	34	36	34	31	35	44	42	34	
19	43	37	35	33	33	33	33	37	33	32	30	30	33	34	31	31	30	30	32	32	36	35	33	37	33	
20	33	35	46	46	45	45	53	57	46	52	45	37	38	37	37	34	33	33	33	33	35	40	37	35	40	
21	34	38	37	37	37	39	47	46	47	56	43	37	54	35	34	39	36	32	28	29	31	35	35	38		
22	34	35	31	29	29	31	39	49	47	47	41	34	33	37	58	44	41	39	***	***	***	***	***	***	39	
23	- DATA MISSING -																									
24	- DATA MISSING -																									
25	***	***	***	***	***	***	***	***	***	***	32	31	27	47	27	26	30	26	25	22	22	22	23	20	20	***
26	21	21	21	21	21	21	22	42	46	24	23	22	22	27	25	28	27	23	21	21	21	21	23	23	24	
27	21	24	23	23	24	24	28	28	40	27	25	25	26	28	30	32	32	27	26	26	26	34	28	26	27	
28	24	26	24	24	26	29	33	35	30	23	23	21	30	29	28	30	27	33	44	35	32	40	38	26	30	
29	24	23	23	22	23	24	27	33	33	32	30	24	26	31	33	35	32	30	31	33	29	31	29	29	29	
30	34	32	32	28	32	28	29	31	40	39	41	40	32	35	35	33	33	35	32	30	29	30	28	27	33	
31	26	25	24	24	24	24	24	26	28	31	33	28	29	29	31	31	32	29	29	27	27	27	27	27	28	
MEAN	27	27	27	26	26	27	30	32	32	31	29	27	28	27	28	29	28	27	27	27	28	30	29	27	28	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - COLLEGE 1ST FL S TORONTO OAMST NO 31081

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	24	40	47
FEB	28	22	35	45
MAR	29	21	25	45
APR	29	20	31	48
MAY	25	27	36	59
JUN	28	22	32	72
JUL	31	22	29	51
AUG	31	24	36	63
SEP	30	22	32	70
OCT	29	28	40	70
NOV	30	23	34	46
DEC	31	21	27	57
YEAR	349	23	40	72

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL HYDROCARBONS

UNIT - PARTS PER TEN MILLION

STATION - COLLEGE 1ST FL S TORONTO OAMST NO 31081

	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141-200	201&OVER	TOTAL
JAN	0	103	452	76	0	0	0	0	631
FEB	0	249	323	97	0	0	0	0	669
MAR	10	195	417	5	0	0	0	0	627
APR	0	324	322	31	0	0	0	0	677
MAY	0	111	212	188	0	0	0	0	511
JUN	1	218	349	55	1	0	0	0	624
JUL	0	237	445	23	0	0	0	0	705
AUG	0	192	478	66	1	0	0	0	737
SEP	0	221	467	25	1	0	0	0	714
OCT	0	28	435	216	2	0	0	0	681
NOV	13	143	508	56	0	0	0	0	720
DEC	0	283	443	17	0	0	0	0	743
YEAR	24	2304	4851	855	5	0	0	0	8039

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91	9	15.4	19.1	21.4	24.3	30.5	34.2	39.3	43.4	72	22.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
5	20	20	17	17	16	16	16	16	16	16	16	16	16	16	16	18	18	18	18	17	17	17	16	16	17
6	16	17	19	19	19	19	19	20	20	20	20	20	19	18	18	18	18	18	18	18	18	18	18	18	19
7																									
8																									
9																									
10																									
11																									
12																									
13	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
14	14	13	13	14	16	14	14	13	14	14	14	17	18	22	21	19	19	18	18	19	16	15	16	17	17
15	18	18	18	17	17	17	15	14	14	14	14	15	14	14	11	12	14	15	16	15	14	13	12	11	15
16	12	11	10	11	11	12	14	12	12	12	11	10	10	10	11	11	10	10	10	10	9	9	9	8	11
17	9	9	8	9	9	9	10	10	10	9	10	9	11	11	12	14	13	13	15	16	16	16	17	19	12
18	22	23	24	21	19	19	20	18	17	15	13	13	13	14	21	17	15	17	16	14	15	13	12	11	17
19	11	10	10	10	9	9	10	11	10	11	12	11	13	14	14	14	15	14	15	14	15	14	12	10	12
20	10	10	9	9	9	8	9	11	12	11	****	****	****	23	16	16	17	20	18	21	22	22	22	17	15
21	15	15	15	15	14	12	14	14	14	14	14	14	14	18	20	20	20	21	21	19	19	19	18	18	17
22	16	16	16	16	16	16	18	18	18	22	22	22	19	19	15	15	15	19	19	19	19	19	19	19	18
23	18	18	18	18	20	20	22	22	22	****	20	20	20	17	17	17	17	17	15	15	15	15	15	15	18
24	20	20	20	20	23	23	23	24	24	24	24	25	30	30	33	33	33	33	35	35	34	34	26	26	27
25	21	17	17	20	15	15	15	16	12	12	13	14	16	16	16	16	19	20	20	20	20	19	20	17	
26	23	23	23	23	23	23	23	23	23	23	23	23	22	22	21	21	18	18	17	17	17	17	16	16	21
27	16	16	16	16	18	18	19	19	19	19	19	19	20	22	24	24	28	28	26	26	26	26	25	25	21
28	25	25	26	26	26	27	28	28	26	31	****	****	31	31	26	26	24	24	30	30	28	28	30	30	28
29	30	30	30	30	34	34	36	34	33	33	33	33	32	32	30	29	29	26	26	28	28	26	23	30	
30	23	23	19	19	20	20	21	21	21	25	27	33	35	40	44	44	44	44	45	46	42	42	45	45	33
31	46	43	46	46	44	44	44	44	46	46	45	45	49	50	50	48	47	47	42	38	45	46	46	46	46
MEAN	19	19	19	19	19	19	20	19	19	20	20	20	22	22	22	22	22	22	22	22	22	21	21	20	20

PERCENTAGE OF DATA VALID - 66

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	47	44	44	44	43	47	49	49	48	45	45	41	35	30	22	16	16	14	14	16	15	15	14	20	32
2																									
3																									
4																									
5																									
6																									
7																									
8	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	20	19	17	16	15	14	13	13	****
9	12	13	13	13	12	11	10	11	12	14	19	15	15	13	13	13	14	13	13	13	14	15	15	17	13
10	16	17	16	16	16	14	13	12	12	13	13	11	12	12	11	11	12	12	12	11	9	10	9	10	13
11	10	9	9	9	10	11	12	12	13	13	12	11	12	13	12	11	11	11	10	10	10	11	12	12	11
12	11	11	10	9	10	10	11	10	10	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	11
13	13	13	13	14	15	15	16	15	14	13	14	16	16	16	16	16	18	23	23	18	15	13	13	11	15
14	10	10	10	9	9	9	10	10	11	11	10	9	9	9	9	9	9	9	8	8	8	9	8	9	9
15	9	10	12	8	10	12	7	7	10	14	25	26	20	13	9	7	7	9	9	11	15	16	17	16	12
16	15	12	11	7	7	8	7	7	7	5	6	7	****	****	****	****	****	****	****	****	****	****	****	****	****
17	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
18	28	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
19																									
20																									
21																									
22																									
23																									
24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	15	15	15	16	16	17	17	19	17
25	17	17	17	17	16	14	15	15	19	17	17	18	15	15	15	15	15	18	20	25	30	38	36	39	20
26	42	29	22	19	19	18	20	21	21	18	18	20	20	21	21	21	23	23	24	24	27	28	28	28	23
27	28	28	28	29	29	29	26	24	21	21	19	19	19	19	19	19	20	20	22	22	22	22	22	22	23
28	25	25	22	22	22	22	20	20	20	20	20	23	21	21	21	21	21	21	21	21	21	21	21	21	21
MEAN	20	18	17	17	17	17	17	16	17	17	18	18	17	16	15	15	16	16	16	17	17	18	18	18	17

PERCENTAGE OF DATA VALID - 48

UNITS - PARTS PER TEN MILLION

MONTH MAR 71

PERCENTAGE OF DATA VALID - 45

UNITS - PARTS PER TEN MILLION

MONTH MAY 71

PERCENTAGE OF DATA VALID - 44

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												-	DATA MISSING	-											
2												-	DATA MISSING	-											
3												-	DATA MISSING	-											
4												-	DATA MISSING	-											
5												-	DATA MISSING	-											
6												-	DATA MISSING	-											
7												-	DATA MISSING	-											
8												-	DATA MISSING	-											
9	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***										
10	13	12	11	11	11	12	12	12	14	18	20	17	17	16	16	19	17	13	14	14	14	15	15	15	***
11	16	16	16	16	16	18	22	24	23	22	19	18	18	18	18	18	18	18	21	24	24	20	20	20	19
12	20	19	17	17	16	16	16	15	16	16	16	14	14	15	15	15	17	16	16	17	17	18	19	17	16
13	17	17	17	17	17	18	19	21	23	23	23	21	20	19	18	16	19	***	***	***	***	***	***	***	19
14												-	DATA MISSING	-											
15												-	DATA MISSING	-											
16												-	DATA MISSING	-											
17												-	DATA MISSING	-											
18												-	DATA MISSING	-											
19												-	DATA MISSING	-											
20												-	DATA MISSING	-											
21												-	DATA MISSING	-											
22												-	DATA MISSING	-											
23												-	DATA MISSING	-											
24												-	DATA MISSING	-											
25												-	DATA MISSING	-											
26												-	DATA MISSING	-											
27												-	DATA MISSING	-											
28												-	DATA MISSING	-											
29												-	DATA MISSING	-											
30												-	DATA MISSING	-											
MEAN	17	16	15	15	15	16	17	18	19	20	20	18	17	17	17	17	17	16	17	17	17	17	18	18	17

PERCENTAGE OF DATA VALID - 13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA MISSING -													
2												- DATA MISSING -													
3												- DATA MISSING -													
4												- DATA MISSING -													
5												- DATA MISSING -													
6												- DATA MISSING -													
7												- DATA MISSING -													
8												- DATA MISSING -													
9												- DATA MISSING -													
10												- DATA MISSING -													
11												- DATA MISSING -													
12												- DATA MISSING -													
13												- DATA MISSING -													
14												- DATA MISSING -													
15												- DATA MISSING -													
16												- DATA MISSING -													
17												- DATA MISSING -													
18												- DATA MISSING -													
19												- DATA MISSING -													
20												- DATA MISSING -													
21												- DATA MISSING -													
22												- DATA MISSING -													
23												- DATA MISSING -													
24												- DATA MISSING -													
25												- DATA MISSING -													
26												- DATA MISSING -													
27												- DATA MISSING -													
28												- DATA MISSING -													
29												- DATA MISSING -													
30	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	20	19	16	17	17	13	14	14	1	****
31	10	10	10	10	11	12	12	11	11	11	11	11	9	9	9	9	9	9	9	9	9	9	9	10	10
MEAN	10	10	10	10	11	12	12	11	11	11	11	11	9	9	9	15	14	13	13	13	11	12	12	6	11

PERCENTAGE OF DATA VALID - 4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	18	19	21	20	19	19	19	20	21	24	24	22	21	21	22	21	21	20	20	20	20	20	21	20
2	22	24	27	31	36	37	34	35	41	43	42	38	39	31	25	24	26	26	25	24	21	21	22	22	30
3	24	25	24	23	23	23	29	30	29	32	34	39	36	34	35	33	27	23	22	20	21	21	20	20	27
4	19	19	19	19	19	19	19	19	19	18	18	18	18	17	18	19	19	20	19	19	19	18	18	18	19
5	19	19	20	21	22	23	26	29	29	25	23	20	****	****	****	****	16	20	21	18	17	18	20	21	21
6	20	19	18	18	19	18	19	20	22	20	19	16	18	17	17	18	19	18	17	17	16	16	15	15	18
7	13	13	13	13	13	13	13	15	15	14	14	14	14	15	17	17	17	17	18	18	17	17	17	17	15
8	15	14	13	13	14	13	13	13	13	13	13	14	****	****	****	****	****	****	****	****	****	****	****	****	****
9	****	****	****	****	****	****	****	****	****	****	****	19	16	13	13	13	14	15	17	14	14	15	14	14	****
10	****	****	****	****	****	****	****	****	****	****	****	19	16	13	13	13	14	15	17	14	14	15	14	14	****
11	13	13	13	13	14	13	13	13	13	13	13	13	13	13	13	15	16	16	16	16	16	16	16	15	14
12	15	16	17	17	17	17	17	17	17	17	18	18	17	17	16	14	15	16	16	15	15	15	15	15	16
13	15	15	15	15	15	16	16	16	19	19	20	20	20	19	19	19	19	19	19	19	19	19	19	19	18
14	21	21	22	22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
15	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
16	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
17	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
18	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
19	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
20	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
22	22	21	21	21	21	19	21	21	21	21	21	20	19	17	17	17	19	18	18	17	17	18	18	19	19
23	19	19	17	17	19	19	18	17	18	17	17	17	15	17	16	15	15	15	15	15	15	15	14	15	17
24	14	14	12	17	18	19	17	19	20	20	20	19	19	20	22	23	20	18	17	15	15	15	14	13	18
25	14	13	13	13	14	17	21	23	21	19	19	17	18	17	18	19	23	23	19	27	23	20	19	19	19
26	22	22	22	22	23	23	30	34	21	19	17	16	16	15	15	17	19	17	17	18	19	23	25	21	21
27	20	18	16	17	18	18	24	26	19	15	15	15	17	17	15	17	21	22	27	33	39	36	29	22	21
28	17	17	17	18	20	23	31	32	25	20	17	16	15	17	18	18	19	21	24	21	19	23	27	23	21
29	23	20	19	19	19	21	25	29	27	24	23	21	17	19	17	17	18	19	19	17	14	14	13	13	19
30	16	15	15	15	15	15	15	15	15	17	19	20	20	21	21	25	23	18	19	18	18	18	17	17	18
MEAN	18	18	18	18	19	19	21	22	21	20	20	19	19	19	19	19	20	20	20	20	19	19	19	18	19

PERCENTAGE OF DATA VALID - 65

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	15	15	15	15	15	18	21	21	20	19	19	19	21	19	19	21	26	28	23	22	20	20	19	19
2	19	15	13	14	14	14	16	19	18	15	14	15	12	13	14	15	17	17	15	14	13	13	13	14	15
3	15	15	15	15	15	15	15	17	17	15	14	14	14	14	15	15	18	17	16	15	15	17	18	17	16
4	13	13	14	14	14	14	14	17	16	15	14	14	14	14	14	14	16	17	15	13	13	15	14	16	14
5	17	18	18	17	16	18	18	21	20	15	15	13	13	13	14	14	22	17	15	15	15	15	13	15	16
6	13	13	13	13	13	13	13	13	14	14	13	13	13	13	13	13	12	11	13	13	13	13	13	11	13
7	13	12	12	12	12	12	13	14	14	14	14	14	13	13	13	13	14	15	15	15	15	15	15	15	14
8	14	14	14	14	13	17	18	21	17	15	14	14	15	14	13	18	19	22	22	22	23	23	21	21	17
9	19	17	17	17	17	19	17	16	20	21	19	17	16	16	16	18	19	21	20	20	19	17	15	14	18
10	14	14	14	14	13	13	13	15	16	15	15	15	15	15	15	15	17	17	15	14	13	14	14	13	15
11	13	12	12	12	12	13	15	17	16	13	13	14	13	16	14	15	13	15	16	16	16	16	16	18	14
12	14	13	14	14	15	17	19	23	23	21	15	13	13	13	13	15	****	22	22	23	23	22	22	21	18
13	19	18	19	17	18	17	21	21	17	16	16	17	17	19	19	19	19	17	17	17	17	17	17	17	18
14	17	17	17	17	17	17	16	16	17	17	17	17	15	15	16	17	17	17	17	17	17	17	17	16	17
15	15	14	15	15	15	15	15	17	17	16	16	17	18	18	17	19	21	28	29	31	35	35	25	21	20
16	18	17	17	16	16	17	19	21	21	19	18	17	18	20	22	25	35	34	31	23	23	23	23	24	22
17	24	21	21	19	19	19	20	21	22	21	21	20	19	19	20	20	21	23	24	****	****	****	****	****	21
18	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
19	13	13	13	13	14	15	15	17	16	17	16	17	17	16	16	16	18	15	13	14	13	13	13	12	****
20	17	15	14	14	15	16	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12	14
21	12	12	11	11	11	11	13	16	16	14	13	13	14	14	14	15	18	19	18	17	17	17	17	17	15
22	18	17	18	17	17	17	21	29	27	17	16	15	15	15	14	14	15	15	17	17	17	14	14	14	17
23	14	13	14	14	13	13	14	14	13	13	13	13	14	14	13	15	****	16	18	17	17	18	17	17	15
24	16	15	15	14	14	14	21	31	27	23	20	18	17	17	17	21	29	29	24	23	21	17	19	17	20
25	16	15	15	17	17	16	18	22	23	21	18	17	15	17	18	22	19	19	19	21	21	21	21	22	19
26	19	18	20	19	16	15	15	15	15	15	15	15	15	15	17	16	17	16	17	17	21	19	19	22	17
27	21	20	18	17	15	14	14	15	15	15	16	16	17	17	17	18	17	16	15	15	16	16	17	15	16
28	14	13	13	13	13	13	17	20	21	19	17	14	14	17	17	18	19	17	17	16	15	14	14	15	16
29	14	13	13	13	13	13	15	17	16	15	15	15	15	15	15	16	****	17	14	14	13	13	17	14	15
30	14	13	13	13	13	13	15	17	16	15	15	15	15	15	15	16	****	17	14	14	13	13	17	14	15
MEAN	16	15	15	15	15	15	16	19	18	17	16	15	15	16	16	17	19	19	18	18	18	17	17	17	17

PERCENTAGE OF DATA VALID - 93

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - PHARMACY AND 401 TORONTO

NO 33002

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	22	20	46	50
FEB	17	17	32	49
MAR	18	30	51	63
APR	DATA MISSING			
MAY	15	16	23	44
JUN	5	17	19	24
JUL	2	11	10	20
AUG	16	15	24	29
SEP	28	18	29	43
OCT	23	19	30	43
NOV	29	17	22	35
DEC	6	15	21	57
YEAR	181	19	51	63

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL HYDROCARBONS

UNIT - PARTS PER TEN MILLION

STATION - PHARMACY AND 401 TORONTO

NO 33002

	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141-200	201&OVER	TOTAL
JAN	38	253	146	60	0	0	0	0	497
FEB	62	168	82	17	0	0	0	0	329
MAR	1	55	135	142	2	0	0	0	335
APR	DATA MISSING								
MAY	56	176	86	11	0	0	0	0	329
JUN	0	80	18	0	0	0	0	0	98
JUL	17	15	1	0	0	0	0	0	33
AUG	73	209	98	0	0	0	0	0	380
SEP	27	341	159	26	0	0	0	0	553
OCT	0	314	152	25	0	0	0	0	491
NOV	0	566	98	7	0	0	0	0	671
DEC	35	77	18	5	0	0	0	0	135
YEAR	309	2254	993	293	2	0	0	0	3851

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
47	1	10.5	14.0	16.6	19.7	27.6	34.3	43.7	47.8	63	18.6

ONTARIO MINISTRY OF THE ENVIRONMENT AIR MANAGEMENT BRANCH

HOUR DAY	POLLUTANT TOTAL HYDROCARBONS										UNITS PARTS PER TEN MILLION														MEAN	
	STATION LAWRENCE/KENNEDY SCARBOROUGH NO 33003										MONTH JAN 71															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
1	17	15	15	15	16	16	15	15	15	15	12	12	12	12	11	7	9	9	9	9	10	9	9	12		
2	9	9	9	10	10	10	12	12	11	11	11	14	14	13	13	11	15	17	17	17	19	19	20	20	14	
3	23	28	23	10	47	49	51	33	18	18	14	14	16	17	17	13	13	15	14	15	15	15	11	22		
4	11	13	14	12	11	11	11	11	11	11	11	10	10	10	10	10	14	12	12	12	9	9	9	11		
5	10	10	10	10	10	10	10	10	10	10	10	9	9	10	10	10	10	10	10	10	10	10	10	10		
6	15	16	15	15	17	15	13	13	13	13	11	11	15	15	15	15	15	17	17	17	17	18	17	15		
7	16	16	16	16	18	17	17	17	17	17	17	17	18	20	16	16	15	14	12	11	14	21	26	21	17	
8	21	21	21	21	27	19	19	21	22	22	22	22	21	18	16	13	12	12	14	14	14	14	14	18		
9	15	15	15	13	11	11	11	10	11	12	12	16	13	11	11	11	11	10	9	10	11	15	15	17		
10	13	12	10	9	8	7	6	7	7	7	7	7	15	15	15	15	15	15	15	15	14	14	14	12		
11	12	12	12	12	12	14	18	20	21	18	16	17	DATA MISSING	DATA MISSING	22	21	26	25	21	21	21	18	14	14	18	
12	10	10	10	10	10	13	13	18	19	14	14	14	13	14	14	17	22	22	20	18	18	18	18	15		
13	14	14	12	12	12	12	10	13	13	13	11	11	11	11	11	11	9	9	9	9	9	7	7	11		
14	7	7	7	7	7	7	7	10	11	14	14	16	16	14	13	11	17	16	14	14	14	11	10	10	12	
15	10	10	9	9	9	9	9	10	10	10	8	7	DATA MISSING	17	17	17	20	20	20	20	19	18	17	16	14	
16	18	18	16	16	16	15	16	18	18	18	18	18	18	22	21	21	22	26	25	24	24	27	25	21	20	
17	24	24	21	18	18	18	22	24	24	23	19	18	18	18	17	17	17	17	17	18	18	18	18	18	19	
18	18	18	17	17	17	17	21	19	19	19	19	19	18	20	20	19	22	21	21	21	21	21	21	21	20	
19													DATA MISSING	DATA MISSING												
20																										
21	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	19	21	17	17	20	18	15	15	14	DATA MISSING	
22	10	10	17	16	14	14	15	16	16	23	23	20	23	20	20	21	21	21	19	19	18	18	18	28	16	
23	25	22	22	21	20	19	19	17	16	16	17	17	17	18	18	18	18	18	18	18	17	17	17	17	18	
24	17	16	16	16	16	18	18	18	24	21	20	20	20	20	20	18	18	18	18	25	27	22	20	20	19	
25	20	20	19	17	17	19	24	25	29	25	23	24	23	20	20	21	22	20	19	18	18	18	18	18	21	
26	19	19	18	18	18	16	17	21	21	22	22	21	20	20	DATA MISSING	19	23	21	17	17	17	17	17	17	19	
27	16	16	16	16	16	16	17	20	23	19	19	19	18	18	17	17	19	20	20	20	20	20	19	19	18	
28	19	19	16	16	16	17	18	23	25	21	20	20	20	20	18	19	22	24	20	23	21	21	19	19	20	
29	19	19	19	18	18	18	20	22	25	21	21	20	20	20	22	20	22	22	19	17	17	18	18	18	20	
30	19	19	18	18	18	18	18	19	20	20	20	20	20	20	22	22	21	22	21	21	20	20	19	20		
31	19	20	20	18	18	19	18	20	22	22	18	18	19	19	19	19	19	19	19	19	19	22	22	22	20	
MEAN	16	16	15	15	16	16	16	17	18	17	16	16	17	17	16	16	18	18	17	17	17	17	17	16	17	
PERCENTAGE OF DATA VALID :		90																								

PERCENTAGE OF DATA VALID - 90

ONTARIO MINISTRY OF THE ENVIRONMENT AIR MANAGEMENT BRANCH

HOUR DAY	POLLUTANT - TOTAL HYDROCARBONS												UNITS PARTS PER TEN MILLION												MEAN
	STATION - LAWRENCE/KENNEDY SCARBOROUGH NO 33003												MONTH FEB 71												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1	19	19	19	19	19	20	22	27	27	23	21	21	23	23	22	21	23	23	23	22	21	21	20	20	22
2	20	20	20	19	22	27	28	30	26	24	21	19	19	19	20	21	24	26	23	21	22	21	25	25	21
3	23	22	22	22	22	24	25	32	36	31	29	31	33	26	22	22	22	22	22	24	25	25	21	23	25
4	19	19	18	17	18	18	18	19	21	20	19	19	19	20	20	19	21	21	21	19	19	19	19	19	19
5	19	16	15	16	17	17	14	13	15	17	19	22	22	22	22	22	18	18	16	16	16	16	14	17	17
6	14	14	14	13	13	14	13	13	14	16	17	17	18	18	18	17	18	19	17	18	18	19	18	18	16
7	19	25	26	28	26	33	23	27	29	29	23	16	16	16	15	15	16	16	13	13	15	15	14	14	20
8	15	14	13	13	13	13	15	18	25	21	17	17	19	21	21	19	18	17	16	17	15	13	13	12	17
9	16	58	14	14	14	14	17	18	20	18	16	17	28	28	27	17	13	13	15	14	14	14	14	16	19
10	12	12	12	12	12	12	13	17	16	14	12	12	12	11	12	11	11	16	14	14	14	14	14	14	13
11	14	13	12	12	12	12	12	16	16	14	14	14	14	14	15	15	17	17	15	17	17	15	15	15	15
12	15	13	13	13	13	14	16	26	22	22	14	16	15	15	15	18	22	31	28	21	14	12	10	10	17
13	10	11	11	10	10	10	10	10	10	10	10	11	14	13	28	15	12	11	11	11	11	11	10	10	12
14	10	10	10	9	9	10	10	10	10	10	10	13	11	14	13	13	13	13	13	13	13	13	13	13	12
15	13	13	13	14	14	14	16	19	20	18	15	15	15	15	15	15	17	17	16	16	16	16	13	15	15
16	10	10	10	10	11	11	14	27	24	16	16	16	11	11	11	11	11	11	12	14	13	13	11	11	11
17	11	11	11	11	11	11	11	12	13	13	12	13	18	18	18	19	19	19	17	17	13	15	15	13	14
18	14	14	14	13	13	13	17	24	26	21	18	20	20	18	15	15	17	18	17	20	24	21	18	18	18
19	15	13	13	13	13	13	13	12	12	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12
20	12	12	12	12	12	12	12	13	14	14	13	7	15	23	30	36	26	24	20	17	17	14	14	14	16
21	14	14	13	13	12	12	12	12	14	14	14	14	15	15	15	15	18	16	14	16	17	16	15	14	14
22	14	14	13	13	13	13	13	14	14	14	14	13	12	12	12	12	12	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	13
23													DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	
24													DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	
25													DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	
26													DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	
27													DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	
28													DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	
MEAN	15	17	14	14	15	15	16	19	19	18	16	16	17	18	18	17	17	18	17	17	16	17	16	15	17
PERCENTAGE OF DATA VALID -	77																								

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - LAWRENCE/KENNEDY SCARBOROUGH

NO 33003

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1																										
2																										
3																										
4																										
5																										
6																										
7	****	****	****	****	****	****	****	****	****	****	****	****	****	****	18	18	25	21	18	22	24	22	20	21	17	****
8	15	15	15	15	16	19	24	22	12	11	****	****	****	****	18	18	25	21	18	22	24	22	20	21	17	****
9	****	****	****	****	****	****	****	****	****	****	****	****	****	****	18	18	25	21	18	22	24	22	20	21	17	****
10	****	****	****	****	****	****	****	****	****	****	****	****	****	****	18	18	25	21	18	22	24	22	20	21	17	****
11	24	18	19	19	18	19	21	21	19	19	17	17	17	17	15	16	16	16	16	17	18	18	19	19	18	
12	20	23	21	20	19	22	22	28	30	30	26	25	25	25	25	16	16	16	16	17	18	18	19	19	18	
13	****	****	****	****	****	****	****	****	****	****	****	****	****	****	16	16	14	14	14	14	12	12	14	14	12	****
14	14	16	16	14	15	15	17	16	16	16	14	14	14	15	15	14	14	14	14	13	13	14	14	15	15	
15	17	17	17	17	16	16	17	17	17	16	16	14	14	15	15	15	15	15	16	16	17	18	21	27	17	
16	29	32	34	37	39	41	43	37	32	31	30	26	25	25	23	20	18	18	18	18	18	21	24	28	28	
17	28	23	20	20	22	23	24	25	****	****	30	24	15	15	14	13	13	13	13	13	13	17	19	19	19	
18	18	20	21	20	18	23	23	21	28	28	24	23	20	20	19	18	18	18	17	15	15	16	19	19	20	
19	20	22	22	20	23	23	24	22	23	23	21	18	17	17	17	16	14	14	14	14	16	21	24	20	19	
20																										
21	18	18	21	21	21	23	23	19	17	17	17	16	****	****	25	25	23	23	22	21	21	20	20	22	21	
22	21	21	21	21	22	29	32	25	24	24	22	21	21	21	21	22	22	22	22	23	24	25	24	24	27	23
23	32	40	43	41	45	56	48	43	41	34	26	23	22	22	22	22	22	22	22	23	22	22	23	25	31	
24	28	26	22	21	21	25	31	26	24	24	24	23	23	23	23	23	23	23	23	25	23	23	23	21	24	
25	21	21	20	20	20	20	20	20	19	21	22	22	21	21	24	29	32	31	28	25	21	31	22	22	23	
26	21	20	19	17	17	17	19	23	23	22	21	20	20	20	21	21	20	20	20	23	29	31	33	43	23	
27	42	42	45	45	39	54	47	36	33	30	28	26	25	23	23	22	22	22	22	21	21	21	20	20	30	
28	20	20	20	20	20	20	20	20	20	****	17	17	15	16	18	18	18	17	17	17	16	17	18	16	18	
29	16	17	18	20	21	23	23	22	20	21	21	21	25	26	26	23	24	25	25	24	22	24	26	29	23	
30	26	25	25	22	25	34	37	31	****	****	25	21	38	22	18	20	22	21	21	20	20	20	24	19	24	
MEAN	23	23	23	23	23	26	27	25	23	23	22	20	21	20	20	20	19	19	19	19	19	21	22	22	22	

PERCENTAGE OF DATA VALID - 64

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - LAWRENCE/KENNEDY SCARBOROUGH

NO 33003

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	18	20	20	21	24	27	32	30	29	23	25	27	20	20	21	21	20	19	17	19	18	18	20	22
2	21	20	21	22	22	23	21	21	19	19	18	18	17	18	****	18	18	18	18	19	20	16	16	16	19
3	15	27	13	13	14	14	13	13	13	12	11	12	12	12	11	11	11	10	9	9	10	11	12	14	13
4	15	13	13	13	13	14	14	13	12	11	11	12	12	12	12	12	12	10	10	10	11	11	13	14	12
5	12	11	11	13	11	13	15	19	17	14	****	20	15	15	15	36	42	16	17	19	19	18	16	13	17
6	12	12	12	12	13	14	26	20	16	15	14	15	14	13	14	14	15	16	14	14	16	21	28	30	16
7	18	16	15	15	19	23	27	27	24	25	21	15	16	15	15	16	19	17	17	20	20	18	18	19	19
8	19	20	22	22	22	20	21	20	18	17	17	17	16	16	16	17	19	23	25	25	27	28	28	25	21
9	21	18	19	19	18	18	22	21	20	20	15	11	12	12	12	13	12	13	12	15	12	12	15	14	16
10	13	12	12	12	13	13	12	12	11	11	11	12	11	11	12	12	12	12	12	15	17	17	17	17	13
11	17	16	16	16	16	19	15	15	15	15	15	15	15	15	13	13	14	14	14	14	15	16	16	16	15
12	17	17	17	17	17	18	19	17	16	****	17	17	16	15	15	16	15	15	15	16	16	16	16	16	16
13	17	18	20	20	19	20	20	21	20	21	23	23	28	21	21	21	20	19	21	22	21	19	19	18	21
14	18	17	17	17	17	19	20	18	17	17	18	18	18	19	19	21	19	19	20	22	21	20	20	20	19
15	19	18	18	20	20	23	30	27	23	23	22	22	19	18	19	20	22	21	23	25	26	23	22	21	22
16	21	21	23	24	22	24	27	25	24	22	21	21	21	19	19	20	21	21	21	21	19	18	18	24	22
17	22	20	19	18	17	26	21	19	17	18	18	28	16	17	17	18	16	16	16	17	18	18	20	20	19
18	22	21	21	21	21	20	19	18	17	17	17	16	17	16	16	17	17	16	16	16	17	17	18	18	18
19	18	18	19	19	19	20	21	18	18	****	18	17	17	17	17	19	19	17	19	17	22	26	19	21	19
20	21	21	17	17	20	22	26	26	22	22	20	17	19	18	18	19	21	21	21	27	33	36	26	25	22
21	****	****	****	****	****	****	****	****	****	****	****	****	16	16	16	15	13	15	15	15	16	16	16	16	****
22	16	15	15	15	16	17	19	19	20	19	20	19	19	18	16	17	17	18	24	26	15	14	15	13	18
23	14	13	14	14	18	18	20	19	17	15	14	13	13	11	10	11	11	11	12	14	12	13	14	14	14
24	14	16	13	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN	17	17	17	17	18	19	21	20	18	18	17	17	17	16	16	17	18	16	17	18	18	18	18	18	18

PERCENTAGE OF DATA VALID - 72

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - LAWRENCE/KENNEDY SCARBOROUGH

NO 33003

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	19	18	17	18	21	27	33	27	****
4	17	17	14	11	12	14	15	21	16	14	13	13	12	12	12	12	11	11	12	13	12	11	11	11	13
5	13	12	11	9	9	9	11	12	12	12	11	12	12	9	7	8	8	9	13	14	12	9	9	11	11
6	11	11	11	11	11	11	11	12	14	12	10	11	11	11	9	9	9	10	10	11	****	****	****	****	11
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13	****	****	****	****	****	****	****	****	****	****	****	****	17	17	18	22	18	15	17	17	17	17	17	17	****
14													- DATA MISSING -												
15	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	12	12	13	18	16	16	13	13	13	****
16	13	12	12	12	13	18	45	26	20	16	20	13	9	9	10	10	10	11	18	21	23	13	14	12	15
17	10	10	10	10	11	10	12	15	14	13	11	10	9	9	11	10	9	11	16	13	11	11	14	35	12
18	18	15	12	13	16	18	22	20	14	10	10	10	10	11	11	10	10	10	12	15	13	12	14	15	13
19	14	15	15	14	13	14	15	15	14	14	14	15	15	15	15	15	15	15	15	15	15	15	15	17	18
20	21	20	21	21	20	20	22	22	17	18	17	17	16	16	18	22	23	17	16	16	16	17	17	16	19
21	15	16	16	17	17	20	39	26	19	11	11	18	17	16	17	19	19	22	27	32	41	35	37	37	23
22	58	44	40	32	28	40	62	60	27	21	18	17	17	17	17	17	17	19	20	22	23	26	28	27	29
23	24	21	21	21	21	23	24	24	27	23	23	23	24	24	24	24	24	23	22	21	22	22	22	22	23
24	21	21	21	21	21	24	28	27	22	22	19	19	19	18	18	21	23	22	22	22	22	22	22	22	22
25	22	23	23	22	25	25	27	25	26	25	24	24	24	24	****	****	****	****	****	****	****	****	****	****	****
26													- DATA MISSING -												
27	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	16	16	16	16	16	16	16	17	17	****
28	16	16	16	16	16	16	17	20	16	16	17	17	14	14	16	16	16	15	17	19	22	23	26	17	17
29	16	16	16	16	22	30	26	23	23	20	20	18	18	17	17	19	19	21	24	20	17	17	17	16	20
30	14	14	16	19	21	25	46	33	22	16	16	16	15	15	17	15	15	14	14	16	17	16	16	16	19
MEAN	19	18	17	17	17	20	26	24	19	16	16	16	15	15	15	15	15	15	17	18	18	18	19	19	18

PERCENTAGE OF DATA VALID - 56

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - LAWRENCE/KENNEDY SCARBOROUGH

NO 33003

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	16	15	15	14	16	17	18	14	17	20	18	17	17	16	16	16	17	18	26	33	38	54	54	22
2	48	55	49	43	32	27	30	28	25	23	26	24	21	19	19	19	22	24	29	25	29	33	37	33	30
3	23	17	16	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
4	15	15	15	15	15	15	20	24	****	18	16	16	13	13	13	14	14	16	18	16	17	17	19	18	16
5	17	16	15	16	18	22	32	30	25	21	17	17	15	14	15	16	17	16	17	18	17	18	18	17	19
6	15	15	15	15	15	18	20	21	16	16	15	14	12	13	16	17	15	15	15	15	16	16	16	14	16
7	15	15	15	15	15	16	21	19	17	16	16	17	16	15	17	20	20	21	22	19	17	16	16	16	17
8	18	17	19	18	18	20	29	28	27	19	16	15	16	14	14	14	13	14	19	23	20	16	16	16	18
9	14	14	15	15	15	15	15	15	15	16	17	16	16	17	16	16	16	18	18	17	15	14	15	19	16
10	19	17	16	17	17	17	19	21	19	16	15	15	15	14	14	15	17	19	17	17	16	16	15	16	17
11	15	15	15	15	16	16	16	17	16	15	16	15	15	13	13	13	13	16	15	16	14	15	15	15	15
12	15	15	15	16	16	18	22	20	18	17	****	13	13	13	13	14	13	14	16	16	19	17	18	18	16
13	15	15	15	15	15	15	18	21	18	16	16	16	14	15	15	15	15	18	15	15	15	15	15	16	16
14	15	19	22	20	20	23	28	35	24	24	18	17	17	17	19	22	24	23	21	23	21	22	22	20	22
15	20	20	22	19	17	19	23	23	21	18	19	20	16	16	15	15	16	16	21	24	21	21	24	31	20
16	25	24	26	24	21	22	47	21	17	15	15	15	15	15	15	13	13	15	18	15	15	14	14	14	19
17	14	14	14	12	12	12	12	12	12	12	13	14	13	13	13	13	13	13	14	13	14	14	14	14	13
18	15	14	14	14	14	15	16	17	17	16	16	16	17	16	15	15	15	16	17	18	20	21	20	20	16
19	18	16	16	14	14	14	16	15	15	15	16	14	14	14	13	13	14	14	21	22	19	21	18	16	16
20	16	16	19	22	27	48	59	63	41	****	16	15	16	16	15	14	13	15	15	17	23	26	28	33	25
21	27	30	26	22	22	26	41	42	25	19	18	15	15	14	12	14	13	14	14	16	17	15	17	17	20
22	21	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23													- DATA MISSING -												
24													- DATA MISSING -												
25	****	****	****	****	****	****	****	****	****	****	****	****	22	21	22	31	27	25	23	21	20	18	16	16	****
26	16	15	14	14	16	17	22	25	20	16	18	****	****	19	21	22	20	17	19	21	21	20	19	19	19
27	19	21	17	13	20	30	37	27	17	17	14	13	11	11	12	11	13	12	11	13	21	21	21	17	17
28	17	17	15	14	13	17	25	30	19	16	15	13	13	13	15	17	17	26	42	54	59	38	32	18	23
29	21	16	15	17	17	23	25	48	30	16	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
30													- DATA MISSING -												
31													- DATA MISSING -												
MEAN	19	19	18	17	17	20	25	25	20	17	17	16	15	15	15	16	16	17	18	20	20	20	21	20	19

PERCENTAGE OF DATA VALID - 79

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - LAWRENCE/KENNEDY SCARBOROUGH

NO 33003

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	13	12	12	12	11	12	12	14	16	17	****
5	18	17	16	10	8	10	12	11	12	9	9	9	9	8	8	8	8	11	11	11	11	9	9	9	11
6	8	8	8	10	8	7	8	9	8	8	9	8	8	9	10	9	9	10	10	9	9	9	9	9	9
7	8	8	8	8	7	7	8	8	8	8	8	8	7	7	7	7	7	8	8	8	8	8	8	9	8
8	10	10	10	9	9	9	13	18	16	12	11	10	****	****	15	15	24	20	19	18	18	21	22	20	15
9	19	18	18	18	15	15	14	13	16	24	22	20	18	19	19	19	25	29	30	26	23	20	17	16	20
10	15	15	15	14	14	14	16	25	18	15	14	14	18	18	18	18	21	21	18	18	18	32	16	16	18
11	14	14	14	14	14	14	18	25	20	19	17	17	16	16	16	18	22	22	22	22	24	21	22	22	18
12	21	19	18	18	18	20	21	32	31	25	22	20	17	17	17	17	20	23	22	24	24	26	22	20	21
13	19	16	16	16	18	16	17	17	15	15	15	15	15	15	15	15	15	15	14	14	14	14	15	15	15
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15
15	13	14	14	14	14	14	15	15	15	16	17	17	17	****	****	****	****	****	****	****	****	****	****	****	****
16													- DATA MISSING -												
17	****	****	****	****	****	****	****	****	****	****	****	8	8	8	8	7	8	8	8	8	8	10	9	11	****
18	9	13	13	8	6	6	7	8	****	****	****	****	****	18	17	17	20	26	22	22	20	18	17	17	15
19	17	18	16	16	16	16	16	22	25	22	17	14	15	14	14	14	15	19	17	14	11	12	12	12	16
20	11	12	12	12	11	12	14	16	16	14	14	14	14	14	14	14	14	17	18	16	14	14	16	17	14
21	18	17	16	14	11	11	13	11	10	10	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12
22	11	11	11	11	10	10	11	16	17	14	12	12	12	11	11	12	16	20	18	19	15	15	16	16	14
23	16	13	14	14	14	15	18	23	23	15	11	11	11	11	11	11	11	13	15	14	10	10	10	10	14
24	10	10	10	10	8	10	10	10	10	10	10	10	10	9	10	10	10	10	11	13	14	13	12	14	15
25	12	12	13	11	11	11	15	36	32	25	15	15	14	14	15	14	21	27	23	23	22	18	17	17	18
26	15	14	13	15	15	15	18	29	25	22	17	15	****	17	18	19	24	26	24	26	24	22	22	19	20
27	16	15	13	13	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	15	17	18	18	20	15
28	20	18	18	16	14	14	14	14	14	14	14	16	16	15	15	16	15	17	16	15	13	13	13	14	15
29	13	12	11	11	12	12	12	13	13	13	12	11	10	11	11	11	11	11	11	11	11	11	11	11	12
30	10	10	10	10	9	10	13	19	19	16	15	15	13	12	15	13	17	20	17	17	16	14	14	14	14
MEAN	14	14	13	13	12	12	14	17	17	16	14	13	13	13	14	14	16	17	16	16	15	15	15	15	15

PERCENTAGE OF DATA VALID - 80

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - LAWRENCE/KENNEDY SCARBOROUGH

NO 33003

MONTH DEC 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	14	14	13	13	13	15	28	23	17	14	15	****	****	****	****	****	****	****	****	****	****	****	****	****
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7	****	****	****	****	****	****	****	****	****	****	****	****	14	14	14	14	16	16	16	16	15	15	13	13	10
8	10	9	9	9	9	9	9	10	12	12	12	11	****	****	****	****	****	****	****	****	****	****	****	****	****
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13	****	****	****	****	****	****	****	****	****	****	****	****	****	****	14	15	16	17	15	15	14	14	13	13	****
14	12	12	12	14	15	15	20	27	36	25	26	23	19	14	9	10	9	8	9	11	10	8	9	9	15
15	7	7	7	8	8	6	7	9	9	9	8	9	9	9	9	10	14	14	13	13	14	14	14	14	10
16	13	13	12	12	12	12	12	12	12	12	11	****	****	12	12	11	11	13	14	14	15	14	13	13	12
17	11	11	11	13	13	13	14	17	18	16	13	14	17	11	9	9	11	13	10	10	9	9	10	10	12
18	9	9	7	7	8	8	7	9	10	12	13	11	10	11	11	12	13	13	15	14	13	11	11	11	11
19	13	11	7	7	7	7	6	7	7	7	7	8	7	7	7	8	8	7	7	7	11	11	9	7	8
20	7	7	7	8	8	8	11	25	21	15	14	17	17	16	16	18	21	24	20	20	19	15	13	15	15
21	11	9	8	9	10	12	14	19	20	19	15	13	10	9	8	9	12	13	10	12	9	6	7	8	11
22	8	7	8	9	9	8	11	16	15	12	12	13	16	11	11	12	16	20	13	17	17	19	18	16	13
23	13	11	9	9	9	8	7	8	9	8	7	9	9	8	9	11	14	10	10	10	9	8	9	9	9
24	9	9	9	9	9	8	7	9	10	10	13	16	17	15	15	14	14	13	12	11	10	11	11	11	11
25	8	8	8	8	8	7	7	7	7	7	8	8	8	8	7	8	8	7	8	7	8	6	7	7	8
26	9	11	8	11	17	13	13	12	15	14	15	15	14	13	10	11	11	9	8	9	9	11	11	14	7
27	7	7	7	6	6	6	6	6	6	6	6	6	6	6	6	7	7	6	5	6	9	11	11	14	7
28	10	8	8	8	7	6	10	14	14	11	9	9	9	10	11	16	18	16	16	17	17	16	15	14	12
29	14	14	14	15	15	15	18	17	17	17	17	18	16	16	16	18	21	21	18	17	16	15	17	19	17
30	20	15	14	12	12	13	13	13	13	14	14	14	14	14	13	15	16	14	13	13	14	13	18	15	14
31	14	14	14	14	15	15	18	19	21	21	21	19	17	17	15	15	17	17	21	21	24	27	22	25	18
MEAN	11	10	10	10	11	10	11	14	15	13	13	13	13	12	11	12	14	14	13	13	13	13	12	12	12

PERCENTAGE OF DATA VALID - 63

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - LAWRENCE/KENNEDY SCARBOROUGH NO 33003

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	17	22	51
FEB	22	17	25	58
MAR		DATA MISSING		
APR		DATA MISSING		
MAY		DATA MISSING		
JUN	22	22	31	56
JUL	24	18	22	42
AUG		DATA MISSING		
SEP	20	18	29	62
OCT	27	19	30	63
NOV	26	15	21	36
DEC	22	12	18	36
YEAR	192	17	31	63

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL HYDROCARBONS

UNIT - PARTS PER TEN MILLION

STATION - LAWRENCE/KENNEDY SCARBOROUGH NO 33003

	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141-200	201 & OVER	TOTAL
JAN	99	401	172	4	0	0	0	0	676
FEB	27	374	110	10	0	0	0	0	521
MAR		DATA MISSING							
APR		DATA MISSING							
MAY		DATA MISSING							
JUN	0	172	249	40	0	0	0	0	461
JUL	8	367	159	5	0	0	0	0	539
AUG		DATA MISSING							
SEP	38	244	108	17	1	0	0	0	408
OCT	0	438	125	30	1	0	0	0	594
NOV	119	382	71	5	0	0	0	0	577
DEC	194	253	28	1	0	0	0	0	476
YEAR	485	2631	1022	112	2	0	0	0	4252

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
73	5	9.6	13.3	15.6	18.4	22.9	26.1	32.1	40.4	63	16.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	13	23	38	27	17	13	16	14	13	14	14	13	13	13	13	37	43	56	56	57	73	68	74	30
2	56	49	44	63	46	29	29	30	21	18	17	18	18	18	17	18	17	16	16	18	21	20	18	18	26
3	15	15	16	18	18	19	18	18	21	21	19	20	18	18	19	19	20	20	19	19	18	18	18	18	18
4	18	18	18	17	17	17	17	18	19	18	23	20	22	20	14	17	24	17	13	12	11	10	10	10	17
5	7	7	7	7	8	8	8	9	10	11	14	14	11	9	9	12	10	11	13	13	13	13	12	12	10
6	12	12	12	12	12	12	12	12	16	16	15	15	15	15	15	15	15	16	16	17	18	15	15	15	14
7	15	16	16	16	16	16	18	20	25	22	20	15	15	15	15	14	17	17	15	15	15	15	15	15	17
8	13	13	13	13	15	39	45	47	34	28	25	29	28	24	18	19	21	23	25	21	21	21	21	20	24
9	21	20	20	20	19	18	18	17	17	18	18	18	19	17	17	17	17	17	18	19	22	34	39	24	20
10	21	19	19	23	23	24	24	21	21	21	21	21	22	22	22	23	23	23	23	24	24	24	24	24	22
11	24	22	22	23	24	29	30	29	34	36	31	13	14	13	15	14	16	19	19	16	16	11	8	8	20
12	8	8	8	8	8	8	8	10	10	9	9	9	9	9	10	12	13	13	13	26	33	28	21	11	13
13	14	13	11	11	10	12	14	14	14	13	13	13	13	13	14	14	12	12	11	12	12	12	11	11	13
14	11	11	11	11	11	11	15	14	18	23	24	20	14	15	17	19	19	17	17	17	17	15	15	15	16
15	14	14	14	14	15	16	18	19	16	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15
16	15	15	15	29	16	23	42	26	17	17	18	19	18	18	18	23	40	52	63	68	56	56	58	72	33
17	49	52	46	46	50	48	37	30	21	16	16	16	16	16	17	18	18	18	18	18	17	17	15	15	26
18	15	16	16	16	15	15	17	18	16	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
19																									
20																									
21																									
22																									
23																									
24																									
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	19	19	18	23	14	13	12	11	11	11	11	****	****	14	15	13	12	13	12	12	10	12	10	8	13
27	8	7	8	7	7	8	8	9	9	10	10	10	10	10	12	14	12	12	12	13	13	16	16	17	11
28	12	13	13	9	10	10	10	10	12	11	12	12	12	10	9	9	11	11	13	13	11	11	11	11	11
29	11	12	12	13	12	11	13	14	15	****	20	20	19	18	17	16	17	19	18	16	15	15	14	18	15
30	23	17	19	15	16	16	17	17	17	16	16	16	16	16	17	19	18	17	18	19	18	17	17	17	17
31	18	17	18	18	17	17	18	18	18	18	18	18	18	19	19	19	19	20	21	20	20	21	21	21	19
MEAN	18	17	17	20	18	18	19	19	18	17	17	17	16	16	16	16	18	19	20	21	20	21	20	20	18

PERCENTAGE OF DATA VALID - 76

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - SCIENCE CENTRE DON MILLS CAMST NO 34002

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	22	22	21	21	21	21	23	24	24	25	24	****	****	****	****	****	****	****	****	****	****	****	****	****
2												-	DATA MISSING	-											
3												-	DATA MISSING	-											
4												-	DATA MISSING	-											
5												-	DATA MISSING	-											
6												-	DATA MISSING	-											
7												-	DATA MISSING	-											
8												-	DATA MISSING	-											
9												-	DATA MISSING	-											
10												-	DATA MISSING	-											
11												-	DATA MISSING	-											
12												-	DATA MISSING	-											
13												-	DATA MISSING	-											
14												-	DATA MISSING	-											
15												-	DATA MISSING	-											
16	12	12	13	14	22	26	29	33	35	31	20	17	16	16	15	16	18	16	17	22	20	19	15	15	20
17	15	14	14	14	14	14	15	16	29	19	20	17	25	21	18	19	19	18	20	19	19	18	18	17	18
18	18	18	19	19	20	17	36	33	25	25	22	20	22	19	17	16	16	15	16	18	27	42	55	50	24
19	61	62	34	34	37	37	43	33	32	23	21	16	16	17	15	16	16	16	15	15	15	17	14	14	26
20	14	14	14	14	13	14	14	14	15	17	17	18	23	24	23	26	25	21	18	16	16	16	16	15	17
21	15	14	14	14	13	13	13	14	13	14	14	14	14	15	15	15	15	14	14	15	15	15	14	16	14
22	15	16	16	15	16	16	16	16	17	18	18	15	13	13	13	13	13	13	13	13	12	12	12	12	14
23	12	15	15	14	13	14	16	18	20	18	19	17	15	16	18	16	17	17	17	19	19	21	21	18	17
24	15	15	15	15	15	15	15	15	16	16	16	16	16	17	18	15	17	19	17	17	17	17	18	15	16
25	16	17	17	17	17	16	18	21	21	19	24	17	17	17	17	19	18	22	25	25	51	61	77	70	27
26	70	67	42	25	22	20	20	23	27	24	24	24	21	20	21	21	23	21	20	20	21	22	19	20	27
27	20	17	17	18	19	19	16	16	16	16	16	16	15	15	15	15	15	15	15	15	15	15	15	15	16
28	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16	17	17	18	18	18	18	18	18	18	16
MEAN	23	23	19	18	18	18	21	21	22	20	19	18	18	17	17	17	18	17	17	18	20	23	24	23	20

PERCENTAGE OF DATA VALID - 48

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS													UNITS - PARTS PER TEN MILLION														
STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002													MONTH MAR 71														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	19	19	19	19	19	19	20	20	20	19	19	19	10	10	10	10	10	10	11	13	13	24	38	17			
2	35	41	34	37	43	41	32	29	24	20	13	13	13	13	14	14	14	14	19	55	26	14	14	24			
3	14	14	13	13	12	12	14	14	14	14	15	13	13	14	14	14	14	14	.....	.....	.....	.....	.....	.....
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	- DATA MISSING -										.....			
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19	17	18	18	18	21	21	21	24	37	45	.....		
6	67	64	50	31	22	19	19	17	15	15	15	15	11	11	12	12	12	12	14	14	14	14	15	21			
7	14	14	13	13	13	15	15	15	15	15	15	15	14	14	15	15	15	15	15	15	15	15	15	15			
8	16	17	17	17	17	17	17	17	17	17	17	17	17	10	11	11	10	10	10	10	10	12	12	14			
9	12	12	12	12	12	12	12	12	15	16	16	16	16	16	16	16	16	17	17	18	18	19	20	21			
10	21	65	44	39	39	42	37	37	35	31	21	20	20	20	20	20	20	28	22	20	20	20	20	28			
11	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	60	47	50	52	62			
12	62	62	59	65	64	61	66	73	70	50	34	27	27	27	25	25	30	28	28	28	30	31	46	37			
13	34	30	28	28	28	27	27	27	27	27	27	27	27	27	27	29	33	34	33	36	38	74	80	77			
14	72	69	54	49	45	57	44	42	35	34	34	34	34	34	34	34	33	33	34	43	75	79	84	79			
15	71	71	84	86	104	95	42	40	42	36	14	14	13	14	16	15	16	17	17	15	15	17	17	16			
16	13	14	14	14	14	16	17	16	18	16	16	16	15	15	14	15	15	14	14	14	14	14	14	15			
17	14	15	15	15	15	18	27	27	18	18	18	18	16	16	17	17	17	17	17	17	17	17	17	25			
18	27	30	30	50	39	34	57	46	24	22	25	22	20	21	22	20	20	20	21	21	26	24	24	28			
19	21	18	18	18	17	17	17	18	18	18	18	10	11	11	11	11	14	14	19	20	39	14	12	11			
20	11	12	12	14	19	36	27	16	13	13	13	13	9	10	9	8	8	8	8	8	8	8	8	12			
21	8	10	10	9	9	10	10	10	10	11	11	11	10	11	12	12	12	12	12	13	14	17	15	11			
22	14	21	9	9	59	35	27	16	14	14	14	8	8	7	8	9	9	9	9	10	9	32	25	29			
23	39	33	29	34	42	43	45	23	13	11	10	10	9	10	10	9	9	9	9	8	8	9	10	10			
24	9	9	8	8	8	8	9	9	9	9	8	8	10	10	10	10	10	10	10	10	11	11	13	14			
25	15	16	14	13	13	14	13	13	14	14	14	14	12	12	14	14	13	14	13	15	20	32	41	44			
26	44	37	38	28	29	34	27	19	19	19	17	15	14	14	15	14	13	15	15	16	18	36	43	51			
27	39	36	34	42	31	31	29	20	16	16	16	16	15	15	15	15	15	15	17	17	17	18	23	18			
28	17	16	15	14	15	16	18	17	18	17	16	16	16	16	18	15	15	15	16	15	16	20	21	20			
29	20	20	20	20	19	19	28	16	17	16	14	14	17	15	13	12	12	12	12	8	9	9	9	15			
30	13	13	13	13	13	13	13	13	13	13	13	13	15	14	16	16	15	.....	.....	.....	.....	.....	.....	.....
31	- DATA MISSING -																										
MEAN	27	29	26	26	28	28	26	23	21	19	17	16	15	15	16	15	16	16	17	20	22	25	27	27			
PERCENTAGE OF DATA VALID -	90																										

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS												UNITS - PARTS PER TEN MILLION													
STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002												MONTH APR 71													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	- DATA MISSING -																								
2	14	15	15	18	18	17	16	16	16	16	16	18	18
3	18	20	20	20	20	21	22	22	22	22	22	21	15	17	17	17	17	17	18	18	18	18	18	18	19
4	21	22	21	21	21	21	22	22	22	22	22	22	19	21	23	22	21	21	21	20	20	21	22	28	22
5	29	32	46	48	33	28	24	24	25	24	24	24	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
6	21	12	12	30	22	30	22	15	13	13	13	12	11	11	11	11	12	13	14	35	39	17	12	17	
7	11	11	11	10	7	10	8	8	8	8	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
8	7	7	9	9	9	9	9	9	9	9	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	75	73	68	66	71	50	49	39	21	12	13	13	11	12	12	11	11	11	11	11	11	11	11	11	
10	9	9	10	10	10	10	11	11	13	12	12	12	12	10	10	12	12	12	13	13	15	34	33	39	
11	49	49	45	50	47	48	43	38	26	20	17	17	17	15	16	16	16	17	17	19	22	69	59	61	
12	53	56	58	59	56	60	60	49	30	27	26	26	21	18	18	18	18	20	22	21	21	25	49	64	
13	41	27	20	20	25	25	23	18	20	20	33	16	16	14	14	14	13	13	13	12	11	12	12	12	
14	11	11	13	13	13	13	13	13	13	14	14	14	14	14	14	14	15	15	15	16	16	16	18	19	
15	15	17	15	15	19	58	49	23	17	17	16	14	14	14	14	14	14	14	14	14	14	15	15	16	
16	29	32	33	24	16	16	16	16	14	15	15	15	15	15	16	16	16	18	18	17	17	23	40	44	
17	33	44	46	16	17	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
18	35	37	46	48	45	54	41	26	19	19	20	20	20	20	20	20	20	20	17	18	18	18	19	19	
19	43	49	52	42	43	47	45	28	25	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	18	21	27	35	39	41	38	34	25	27	23	18	18	18	18	18	18	18	18	20	20	22	24	24	
21	23	25	17	18	17	17	17	15	15	16	16	16	18	18	17	15	15	15	15	15	15	15	15	16	
22	16	16	16	17	17	15	16	16	16	16	16	16	17	17	14	14	14	13	13	13	13	14	15	15	
23	17	17	16	16	14	16	16	16	15	15	15	15	18	17	17	17	17	17	17	17	18	20	23	17	
24	18	20	22	20	18	17	17	17	15	15	15	15	15	15	16	16	16	16	16	16	16	16	15	16	
25	18	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
26	20	20	21	20	20	20	21	21	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	15	17	14	14	14	14	18	17	17	16	16	16	13	14	17	18	13	15	16	16	16	16	16	16	
28	13	13	16	15	15	12	12	15	17	17	17	15	16	16	19	19	22	22	23	22	22	18	18		
29	25	21	19	16	15	14	15	17	17	17	17	15	14	14	16	16	16	16	16	16	16	16	16	16	
30	14	14	16	16	16	16	16	16	18	16	15	16	15	15	17	17	18	18	18	18	16	16	19	33	
MEAN	25	25	26	25	24	26	24	21	18	17	17	17	15	16	16	16	16	16	16	16	17	17	21	25	
PERCENTAGE OF DATA VALID -					92																				

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	57	47	43	62	58	63	58	48	23	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	30
2	16	16	16	16	16	16	17	19	21	21	17	16	15	15	15	15	15	15	15	15	15	15	15	15	16
3	15	15	15	15	15	15	15	15	15	15	****	16	11	11	11	9	9	9	9	9	9	9	9	9	12
4	9	9	9	9	9	9	9	10	10	10	10	10	8	8	9	9	9	9	9	10	10	22	17	14	10
5	15	35	22	28	30	35	22	22	22	22	18	14	11	11	12	12	12	12	12	12	33	35	44	47	22
6	35	35	35	44	24	12	12	13	13	10	10	10	11	11	14	14	10	10	10	10	10	12	16	12	16
7	18	22	24	28	32	31	31	24	21	21	16	14	12	12	12	12	12	12	13	17	18	41	54	49	23
8	39	14	12	10	9	8	9	10	10	10	10	10	10	10	10	10	10	10	10	10	15	30	37	37	15
9	45	45	45	45	47	42	32	17	9	9	11	12	12	13	13	13	13	13	14	15	19	52	47	25	29
10	50	40	58	45	42	35	21	15	12	12	12	****	14	15	15	15	15	15	17	26	49	59	47	47	29
11	65	56	58	55	55	48	38	31	23	19	19	13	17	13	13	16	17	16	15	15	15	15	23	20	28
12	19	16	25	15	11	12	14	15	14	17	14	17	13	13	13	13	13	13	13	13	13	16	14	14	15
13	13	13	13	13	14	14	14	13	13	11	13	14	12	11	11	13	13	13	13	13	13	14	17	15	13
14	11	10	11	11	11	11	13	13	13	13	12	12	10	10	14	14	11	11	11	11	13	13	34	41	15
15	36	40	42	47	57	57	59	15	13	11	11	15	14	12	13	14	17	17	21	25	29	32	26	26	27
16	23	22	16	12	12	11	11	11	11	11	11	11	12	12	12	12	12	10	10	10	10	10	12	16	13
17	16	14	12	13	13	13	10	10	10	10	****	****	24	16	13	12	16	13	15	15	15	17	59	49	18
18	50	46	51	60	58	36	21	25	22	15	14	14	14	14	15	18	22	18	20	26	32	27	20	20	27
19	16	20	34	46	49	36	21	25	26	23	20	18	15	16	17	17	17	18	16	16	18	46	50	37	26
20	14	14	13	13	14	16	15	15	15	18	18	16	15	17	16	16	16	15	17	16	13	13	12	12	15
21	25	31	31	29	29	29	25	18	14	14	14	14	12	12	12	12	12	12	12	12	10	10	11	11	17
22	11	11	12	11	10	10	10	10	10	10	11	11	10	10	10	12	11	11	11	11	11	12	27	37	13
23	37	42	36	33	33	26	14	11	11	11	11	10	10	11	12	12	12	12	13	13	17	21	17	24	19
24	29	23	23	11	12	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	13
25	13	13	15	13	13	18	28	17	14	14	****	****	14	14	14	15	15	13	13	13	13	13	14	14	15
26	13	13	13	13	13	13	13	17	17	17	15	15	14	17	17	15	13	12	12	12	13	14	14	15	14
27	15	12	13	14	14	14	14	15	15	14	14	14	14	14	14	14	17	17	19	19	21	30	49	41	18
28	38	23	16	25	33	37	25	16	16	16	14	14	15	15	15	15	15	14	15	17	43	48	47	52	24
29	48	48	48	51	55	47	30	20	24	17	17	17	16	14	14	14	14	14	16	16	62	51	43	54	31
30	53	54	56	63	64	51	42	32	23	18	19	19	16	14	13	13	13	13	15	13	11	14	28	36	29
31	16	12	12	12	12	13	16	14	12	12	12	12	12	12	14	12	12	12	14	13	13	13	14	32	14
MEAN	28	26	27	28	28	25	22	18	16	14	14	14	13	13	13	14	14	13	14	15	19	23	28	28	19

PERCENTAGE OF DATA VALID - 99

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	31	30	23	25	25	22	20	20	16	****	****	****	10	10	10	11	11	8	10	12	11	32	43	42	20	
2	23	10	10	10	10	11	14	15	13	13	13	15	18	18	19	20	20	23	24	21	20	19	14	16	16	
3	12	15	22	22	18	17	16	16	10	10	18	15	14	10	10	10	10	10	10	10	13	16	18	49	16	
4	54	57	51	45	44	51	43	35	30	20	18	18	12	10	10	11	9	9	9	11	10	10	11	11	25	
5	23	17	10	9	8	9	9	9	8	8	8	8	8	8	10	12	16	13	14	16	20	16	13	18	12	
6	34	23	27	25	13	12	12	12	12	10	13	13	14	15	15	18	17	17	17	20	30	35	12	17	18	
7	33	34	21	20	14	14	15	17	18	16	16	15	12	12	12	12	11	12	12	12	11	10	14	12	16	
8	11	13	15	15	15	19	23	35	15	22	38	46	50	33	15	12	11	11	11	11	10	10	10	10	19	
9	11	11	11	11	11	11	11	12	12	12	11	11	14	11	11	11	11	9	10	12	12	12	36	34	13	
10	20	11	11	11	12	15	14	12	10	10	10	10	9	9	9	11	11	9	10	13	41	38	39	42	16	
11	49	43	38	43	42	38	30	18	13	10	11	11	11	9	10	10	11	12	13	14	13	12	33	46	23	
12	44	40	45	51	47	43	30	23	23	21	19	19	19	17	14	14	14	16	17	14	25	40	32	76	29	
13	87	79	73	76	73	30	23	19	13	8	8	8	10	9	10	10	11	13	15	19	17	18	18	27	28	
14	34	33	28	23	23	23	20	19	12	****	20	19	13	12	14	15	14	14	14	14	13	13	13	14	18	
15	15	15	18	14	15	14	15	15	15	15	15	14	15	15	15	15	15	15	15	15	15	15	15	15	15	
16	18	26	25	26	24	14	15	15	15	15	15	14	14	14	15	15	16	16	16	17	17	29	41	40	20	
17	46	54	54	56	52	59	49	34	28	24	21	21	19	19	19	19	18	18	18	20	23	38	44	49	33	
18	52	44	46	48	43	40	38	35	27	28	25	23	17	17	17	17	14	16	18	18	18	49	49	49	31	
19	49	49	49	45	43	39	43	31	27	25	21	21	21	18	16	16	16	16	16	17	17	17	20	18	27	
20	27	54	50	57	69	42	23	19	19	18	18	16	15	15	15	15	15	17	19	19	19	22	25	20	26	
21	19	21	24	24	22	24	19	18	18	18	18	18	18	****	****	19	13	13	12	12	12	12	14	14	17	
22	12	10	16	21	18	21	18	16	13	13	12	12	12	12	13	13	13	16	14	14	17	49	65	55	20	
23	42	54	51	57	52	50	41	35	29	22	17	15	12	12	11	12	12	12	12	12	15	16	16	18	26	
24	23	19	16	16	14	14	16	15	13	13	13	13	16	17	16	16	16	16	16	15	23	17	19	32	18	
25	22	18	25	16	14	13	18	16	19	18	18	18	18	18	16	20	23	23	26	15	15	15	15	15	18	
26	14	15	15	15	15	15	15	15	15	15	16	16	14	15	15	15	15	15	15	16	18	41	46	44	20	
27	46	52	51	52	54	67	53	42	32	28	25	25	22	20	20	20	20	20	24	25	21	19	19	19	32	
28	22	19	19	19	19	19	23	23	24	26	21	20	20	23	22	35	20	20	22	22	23	23	25	25	22	
29	22	37	35	44	38	28	24	24	22	22	21	21	25	24	26	24	24	24	25	28	26	27	38	38	28	
30	47	38	40	60	59	59	46	38	34	32	33	28	27	27	27	27	27	24	24	25	27	27	31	29	29	35
MEAN	31	31	31	32	30	28	25	22	19	18	18	17	17	15	15	16	15	15	16	17	19	24	27	30	29	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	26	28	29	27	27	27	27	29	26	26	25	25	23	23	24	24	24	24	24	24	24	25	25	26	26
2	26	27	27	27	27	27	27	27	27	27	14	14	14	14	14	14	14	14	14	14	15	16	31	35	21
3	30	27	25	23	26	25	19	17	17	17	17	17	16	16	18	17	17	17	17	18	18	38	46	41	22
4	41	41	42	42	40	33	27	24	23	20	20	20	20	19	19	21	21	21	21	21	21	49	44	52	29
5	52	48	45	45	50	40	35	31	31	26	25	24	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
6													DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
7													DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
8													DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
9													DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
10													DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
11													DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
12	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
13	13	13	12	12	12	13	13	13	13	13	15	14	16	13	13	13	13	13	16	11	11	11	11	11	13
14	12	14	14	11	13	13	13	13	11	11	11	12	12	12	12	12	12	12	13	13	23	24	20	25	26
15	37	36	41	45	49	30	26	19	20	16	16	15	13	13	15	15	14	13	15	34	26	19	18	16	23
16	16	21	25	16	18	22	21	23	20	18	16	16	14	14	14	15	16	16	17	15	14	15	19	18	17
17	16	16	16	15	12	12	12	12	13	15	14	14	13	13	13	12	12	13	17	23	22	19	26	19	15
18	22	20	27	23	15	15	15	14	14	14	14	14	13	14	14	13	13	13	13	14	15	20	49	40	18
19	34	30	26	20	18	21	19	15	15	16	16	15	15	14	14	14	14	14	14	14	15	18	27	34	19
20	29	37	49	40	38	29	19	17	16	16	16	19	16	16	16	16	17	19	24	41	40	43	49	48	28
21	49	53	46	45	41	37	31	33	22	21	17	17	16	15	17	15	16	16	17	16	16	16	17	17	25
22	19	45	55	72	65	24	24	24	24	23	22	21	22	22	21	19	22	28	31	20	25	18	18	18	28
23	19	24	25	32	29	27	25	26	24	20	17	17	20	18	19	18	19	18	19	19	19	19	23	29	22
24	24	24	58	41	45	44	25	22	24	20	18	18	19	19	19	18	18	18	18	19	19	20	20	20	25
25	26	19	23	17	21	27	21	25	23	19	19	17	18	17	16	15	16	16	16	17	21	57	66	48	24
26	55	69	59	21	25	24	25	21	18	18	17	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
27	22	13	13	12	14	11	11	11	11	11	13	12	12	12	14	13	14	14	15	15	16	15	16	18	14
28	52	59	50	44	50	61	57	19	16	15	15	14	14	14	14	14	14	14	17	20	18	24	17	14	27
29	15	15	17	17	17	16	18	22	21	18	16	20	18	17	17	16	18	18	16	17	15	26	34	39	19
30	36	36	37	38	31	34	38	38	22	17	17	17	15	15	15	15	15	15	15	16	20	20	24	22	24
31	17	14	13	18	20	28	23	16	17	16	17	16	16	16	15	15	15	14	16	15	16	16	18	18	17
MEAN	29	30	32	29	29	27	24	21	20	18	17	17	16	16	16	16	16	16	17	19	19	23	27	27	22

PERCENTAGE OF DATA VALID - 77

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

MONTH AUG 71

HOUP DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	18	42	39	37	34	31	28	26	24	19	18	16	15	16	16	16	16	16	18	16	17	39	53	44	26	
2	46	48	49	52	49	46	45	29	25	22	22	21	18	18	18	18	17	17	20	21	20	21	20	28	28	
3	19	21	34	36	42	38	44	24	18	DATA MISSING	DATA MISSING	12	11	9	8	8	8	8	8	7	8	9	9	18	18	
4	9	17	35	31	24	26	20	14	11	10	10	10	10	10	10	11	11	11	9	10	10	10	10	10	14	
5	10	12	22	26	12	17	14	12	11	10	10	10	14	13	12	12	12	11	13	16	40	39	48	48	19	
6	49	45	52	44	39	41	42	14	11	10	10	11	11	10	10	9	8	7	8	9	9	12	32	35	22	
7	39	41	49	50	56	40	22	13	12	12	12	10	10	10	11	11	10	10	9	12	25	26	31	19	23	
8	26	29	28	31	46	48	21	14	13	13	13	14	14	12	12	13	13	12	12	14	16	15	21	29	20	
9	44	49	44	54	71	57	45	23	20	DATA MISSING	DATA MISSING	22	17	15	15	14	16	16	14	16	17	14	16	17	28	
10	15	13	15	15	17	16	16	20	20	15	14	18	16	12	16	18	13	11	12	13	11	14	13	14	15	
11	13	15	13	13	12	12	15	13	11	9	10	11	12	12	11	11	12	11	11	11	11	10	13	13	12	
12	12	12	14	15	14	14	16	16	15	13	15	16	14	13	13	15	13	14	15	15	15	15	17	16	14	
13	16	18	18	17	16	17	19	22	22	20	19	18	17	16	16	17	18	19	19	20	18	21	26	23	19	
14	38	42	32	27	23	44	59	41	30	26	23	22	22	22	25	23	20	19	18	20	20	18	17	18	27	
15	18	17	17	17	17	17	18	17	17	18	18	19	19	19	18	19	19	19	19	20	36	41	48	47	22	
16	43	37	37	43	46	44	44	35	25	21	21	21	20	22	22	22	22	22	23	24	43	52	55	53	33	
17	57	57	62	63	66	66	63	47	29	24	24	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	56	58	57	56	DATA MISSING	
18	55	56	54	53	54	51	55	43	DATA MISSING	DATA MISSING	31	28	25	26	26	26	25	26	27	35	60	65	71	67	44	
19	66	79	79	79	83	81	82	71	40	33	33	30	28	27	27	27	27	27	30	30	31	29	29	46	46	
20	29	29	29	28	29	29	31	33	36	DATA MISSING	DATA MISSING	11	9	9	9	10	10	9	10	24	35	39	45	51	25	
21	45	22	16	14	16	19	21	20	15	14	11	11	11	9	9	10	10	9	9	21	27	31	33	37	18	
22	39	37	39	34	49	47	37	20	17	16	16	14	13	11	12	12	12	12	13	14	12	12	11	21	21	
23	11	11	12	12	13	12	14	14	13	12	12	12	12	15	17	17	18	17	19	19	23	21	33	39	17	
24	42	37	38	36	46	36	29	26	23	21	21	21	21	21	22	22	22	24	25	30	48	50	34	38	31	
25	44	36	36	38	35	25	27	27	27	26	27	28	28	29	29	28	29	28	29	27	33	44	49	47	32	
26	48	44	28	26	26	26	28	29	30	28	25	27	29	28	29	30	29	27	27	27	25	26	26	28	29	
27	25	27	26	25	24	24	29	32	31	31	30	29	31	31	30	27	27	26	26	27	27	26	26	28	28	
28	24	24	23	24	24	23	23	25	24	24	25	24	24	25	26	27	26	27	26	30	36	77	71	78	32	
29	45	35	29	27	26	26	41	32	27	27	27	29	29	28	27	26	27	28	29	29	31	35	43	41	31	
30	58	50	40	38	40	39	33	34	33	30	29	27	28	DATA MISSING	14	14	13	11	11	12	11	11	11	12	26	
31	19	21	28	21	9	11	13	13	12	10	10	9	10	10	10	10	10	10	10	11	37	48	41	38	40	19
MEAN	33	33	33	33	34	33	32	26	21	19	19	18	18	17	17	17	17	17	17	20	26	30	33	33	25	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	25	18	33	74
FEB	14	20	27	77
MAR	29	22	49	104
APR	29	20	36	75
MAY	31	19	31	65
JUN	30	22	35	87
JUL	25	22	29	72
AUG	31	25	46	83
SEP	27	25	48	128
OCT	9	24	53	104
YEAR	250	22	53	128

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL HYDROCARBONS

UNIT - PARTS PER TEN MILLION

STATION - SCIENCE CENTRE DON MILLS OAMST NO 34002

	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141-200	201&OVER	TOTAL
JAN	59	369	102	33	7	0	0	0	570
FEB	0	231	69	17	7	0	0	0	324
MAR	86	345	120	93	25	2	0	0	671
APR	40	426	128	64	8	0	0	0	666
MAY	86	463	71	112	6	0	0	0	738
JUN	65	367	148	125	9	0	0	0	714
JUL	1	335	154	78	5	0	0	0	573
AUG	70	253	219	164	20	0	0	0	726
SEP	0	340	117	147	21	4	0	0	629
OCT	0	137	22	30	11	3	0	0	203
YEAR	407	3266	1150	863	119	9	0	0	5814

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
79	0	10.7	13.9	16.4	21.2	40.9	49.5	61.5	70.6	128		21.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - D.O.H. BATHURST & WILSON

NO 34007

MONTH APR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
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22																									
23																									
24																									
25																									
26	****	****	****	****	****	****	****	****	****	****	****	6	5	5	5	5	5	6	6	7	7	7	7	9	****
27	9	9	9	9	10	12	15	15	15	15	16	15	16	15	15	19	16	16	16	17	15	12	10	9	14
28	7	6	4	4	4	7	12	18	18	15	15	15	15	****	23	20	16	17	17	20	20	13	15	11	14
29	12	12	7	7	7	7	9	9	9	11	11	11	13	13	13	15	16	16	18	17	17	15	15	14	12
30	13	12	14	13	14	15	18	19	17	17	17	17	13	13	11	13	14	13	14	14	13	13	15	****	14
MEAN	10	10	9	8	9	10	14	15	15	15	15	13	12	12	13	14	13	14	14	15	14	12	12	11	13

PERCENTAGE OF DATA VALID - 14

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - D.O.H. BATHURST & WILSON

NO 34007

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4	****	****	****	****	****	****	****	****	****	****	15	13	13	11	11	13	15	9	9	9	10	11	12	11	****
5	13	9	6	9	12	12	27	38	38	31	19	17	14	14	8	7	21	21	21	21	31	34	39	25	20
6	14	12	12	8	8	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
7	****	****	****	****	****	****	****	****	****	****	41	36	34	37	38	45	45	46	48	58	54	48	46	50	****
8	48	43	37	33	33	31	35	38	35	35	35	34	31	31	31	32	31	32	32	32	34	34	37	47	35
9	45	42	42	42	41	75	49	28	28	28	28	38	39	35	35	35	35	36	37	34	37	36	36	43	39
10	43	38	34	34	32	41	39	35	33	34	34	32	31	31	34	46	47	47	56	62	65	70	66	58	43
11	59	75	62	55	65	69	82	85	81	62	51	44	40	42	46	46	50	47	47	47	44	52	51	43	56
12	45	41	39	38	38	41	48	50	50	44	45	41	32	31	31	31	31	31	31	31	31	31	31	29	37
13	27	27	25	26	26	26	26	25	23	23	29	29	29	29	27	31	29	26	28	30	35	25	23	23	27
14	23	22	22	22	25	26	29	29	29	28	27	27	26	27	27	27	27	27	31	36	38	45	55	61	31
15	67	82	68	76	75	88	66	43	42	39	39	36	34	34	36	36	39	44	51	58	51	46	43	43	52
16	42	42	40	35	38	38	38	38	39	38	39	****	****	****	****	****	****	28	28	31	27	32	32	****	36
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25	****	****	****	****	****	****	****	****	****	****	****	25	25	25	26	27	27	26	26	26	26	26	26	25	****
26	25	25	25	25	25	27	28	29	28	29	28	27	29	29	30	29	29	28	28	28	30	30	29	29	28
27	28	28	28	28	28	28	29	32	****	26	23	23	23	23	23	29	26	26	25	31	40	42	42	39	29
28	27	24	27	25	24	25	27	28	25	27	25	23	23	25	28	31	31	32	32	37	42	47	49	45	30
29	44	36	34	32	33	39	46	33	31	39	32	31	30	30	29	29	31	32	33	39	41	45	51	47	36
30	47	42	42	45	48	52	46	33	31	31	28	32	32	30	28	29	28	25	21	20	20	20	23	24	32
31	20	19	19	17	18	18	18	19	18	17	16	16	16	16	16	17	18	18	18	18	19	19	19	20	18
MEAN	36	36	33	32	33	40	40	36	35	33	31	29	28	28	28	30	31	31	32	34	36	36	37	37	33

PERCENTAGE OF DATA VALID - 56

UNITS - PARTS PER TEN MILLION

NO 34007

MONTH JUN 71

Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
Day 1	18	18	18	18	19	19	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
2												-	DATA MISSING	-											
3												-	DATA MISSING	-											
4												-	DATA MISSING	-											
5												-	DATA MISSING	-											
6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	19	21	18	17	18	19	22	23	27	23	27	25	24	*****
7	18	15	18	17	16	17	21	22	21	18	14	11	10	13	15	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
8												-	DATA MISSING	-											
9	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	54	47	42		40	37	36	37	37	37	35	35	35	*****
10	32	33	30	30	30	31	34	35	34	31	30	30	30	31	32	32	34	34	34	37	39	42	44	49	34
11	45	41	39	38	38	38	41	41	38	32	31	30	30	31	32	34	38	35	35	37	38	41	42	39	37
12	22	20	21	21	19	17	19	25	26	21	17	17	15	15	16	15	17	18	21	27	28	29	31	39	22
13	42	31	25	19	20	17	16	18	15	13	16	16	15	14	14	16	19	22	19	21	23	21	19	20	20
14	20	20	20	24	18	17	21	22	15	11	10	9	10	11	12	12	14	13	13	13	13	13	13	12	15
15	12	11	11	11	11	11	13	15	12	11	12	11	10	10	11	11	11	9		8	8	9	10	11	11
16	11	10	10	10	10	11	14	14	13	*****	28	29	32	42	50	61	74	73	56	61	70	72	65	62	38
17	53	49	51	53	55	61	65	62	48	41	42	40	39	39	40	51	73	71	58	53	56	59	64	63	54
18	63	87	59	53	50	51	57	58	56	53	48	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
19												-	DATA MISSING	-											
20												-	DATA MISSING	-											
21												-	DATA MISSING	-											
22												-	DATA MISSING	-											
23												-	DATA MISSING	-											
24												-	DATA MISSING	-											
25												-	DATA MISSING	-											
26												-	DATA MISSING	-											
27												-	DATA MISSING	-											
28												-	DATA MISSING	-											
29												-	DATA MISSING	-											
30												-	DATA MISSING	-											
MEAN	31	30	27	27	26	26	30	31	28	26	25	21	24	25	26	29	34	33	31	32	34	35	35	35	29

PERCENTAGE OF DATA VALID - 34

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - D.O.H. BATHURST & WILSON

NO 34007

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1												-	DATA MISSING	-												
2												-	DATA MISSING	-												
3												-	DATA MISSING	-												
4												-	DATA MISSING	-												
5												-	DATA MISSING	-												
6												-	DATA MISSING	-												
7												-	DATA MISSING	-												
8												-	DATA MISSING	-												
9												-	DATA MISSING	-												
10												-	DATA MISSING	-												
11												-	DATA MISSING	-												
12												-	DATA MISSING	-												
13												-	DATA MISSING	-												
14												-	DATA MISSING	-												
15												-	DATA MISSING	-												
16												-	DATA MISSING	-												
17												-	DATA MISSING	-												
18												-	DATA MISSING	-												
19												-	DATA MISSING	-												
20												-	DATA MISSING	-												
21												-	DATA MISSING	-												
22												-	DATA MISSING	-												
23												-	DATA MISSING	-												
24	****	****	****	****	****	****	****	****	****	****	****	****	****	30	31	30	31	32	34	40	44	43	40	37	36	****
25	33	32	34	39	42	46	49	49	45	44	44	42	40	43	43	47	45	43	44	45	49	46	47	46	43	
26	43	42	40	37	36	39	45	44	38	36	34	30	28	27	28	30	32	28	26	31	30	28	28	27	34	
27	24	24	23	21	23	27	32	34	32	31	29	29	27	28	28	31	30	28	27	30	28	27	26	26	28	
28	24	24	23	22	21	23	21	21	21	21	24	22	23	23	21	21	21	22	21	22	24	25	23	24	22	
29	24	24	22	21	22	22	26	26	24	24	23	25	27	27	26	27	29	31	34	35	42	37	34	34	28	
30	30	31	32	32	30	29	31	30	30	26	25	26	26	23	26	25	30	29	29	29	30	31	32	31	29	
31	34	36	37	34	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
MEAN	30	30	30	29	29	31	34	34	32	30	30	29	29	29	29	30	31	31	32	34	35	33	32	32	31	

PERCENTAGE OF DATA VALID - 21

UNITS - PARTS PER TEN MILLION

MONTH SEP 71

PERCENTAGE OF DATA VALID - 50

UNITS - PARTS PER TEN MILLION

MONTH OCT 71

PERCENTAGE OF DATA VALID - 36

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - D.O.H. BATHURST & WILSON

NO 34007

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	14	14	14	15	16	19	23	27	22	20	18	18	19	18	18	21	24	45	53	49	45	42	41	41	27	
2	35	26	24	25	23	24	30	36	32	27	22	22	23	***	14	11	11	12	12	12	12	13	10	11	20	
3	11	11	10	11	10	10	13	16	17	14	13	12	12	11	11	9	10	14	13	12	13	16	18	19	13	
4	15	12	12	10	10	10	12	15	14	11	10	11	10	10	10	10	11	11	12	13	14	16	16	12	17	
5	14	13	14	16	19	18	23	32	38	18	17	15	14	***	***	13	16	15	14	14	14	11	10	10	17	
6	9	9	9	9	8	8	9	10	11	11	11	10	12	10	7	7	7	7	10	10	9	8	7	7	9	
7	7	7	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	8	8	8	9	9	7	7	
8	9	9	8	9	9	8	11	13	10	9	9	9	9	9	9	9	12	14	15	17	13	16	18	11	11	
9	15	15	13	13	13	10	11	14	20	18	15	12	14	13	15	16	23	28	23	21	21	18	14	14	16	
10	14	13	11	11	11	11	13	13	14	12	12	12	11	10	11	11	11	11	11	11	11	11	11	11	12	
11	10	11	10	10	11	13	13	13	14	13	12	11	11	11	12	12	13	20	19	15	15	16	17	18	13	
12	16	14	13	13	14	14	15	18	24	22	15	15	14	10	***	12	14	17	21	21	17	22	17	16	16	
13	17	17	16	15	13	14	15	16	17	17	17	17	19	19	19	19	19	18	18	16	14	14	14	14	17	
14	14	14	12	12	12	12	14	14	14	13	14	15	15	16	15	17	16	16	15	14	14	14	14	14	14	
15	12	11	11	11	11	12	15	23	28	25	22	22	23	25	28	28	30	28	28	39	37	31	22	16	22	
16	15	14	13	13	13	13	15	16	17	***	14	17	19	25	21	20	23	35	30	29	25	24	24	19	19	
17	22	22	19	15	14	15	17	24	27	22	17	16	16	18	19	25	25	28	29	28	25	26	28	25	22	
18	19	20	19	16	14	15	22	30	35	36	33	21	22	26	23	23	22	21	21	17	15	15	13	13	21	
19	9	8	8	8	9	8	12	9	8	11	8	7	7	***	12	12	12	14	13	12	12	12	11	11	10	
20	11	12	11	11	11	12	15	16	16	16	16	15	15	18	16	17	18	23	19	17	16	14	13	15	15	
21	13	14	13	13	10	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	
22	12	12	13	13	13	13	14	17	15	15	15	15	14	14	15	16	17	17	17	18	17	17	18	18	15	
23	18	16	18	19	21	20	25	28	34	28	25	21	21	23	22	25	30	30	28	28	24	21	23	20	24	
24	20	20	18	18	19	19	24	27	26	26	18	15	18	18	18	27	24	20	20	20	20	17	17	20	20	
25	16	16	16	15	15	14	19	23	23	19	15	14	13	13	14	15	19	21	19	21	18	17	15	18	17	
26	16	15	17	17	16	16	17	21	22	22	18	14	16	14	14	13	15	18	20	19	20	17	17	18	17	
27	16	17	17	15	14	14	14	15	16	17	17	17	18	16	16	19	18	21	21	22	19	19	17	18	17	
28	17	15	14	14	13	13	13	13	13	14	14	9	13	13	13	13	14	15	15	15	16	16	18	18	14	
29	16	14	14	14	14	15	18	21	25	20	20	16	17	17	17	17	24	24	19	18	18	19	19	18	18	
30	17	17	17	17	17	17	17	17	20	20	20	20	20	20	20	21	22	24	24	24	23	22	23	24	23	20
MEAN	15	14	14	13	13	14	16	18	20	18	16	14	15	15	15	16	17	19	19	19	18	18	17	17	16	

PERCENTAGE OF DATA VALID - 99

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - D.O.H. BATHURST & WILSON

NO 34007

MONTH DEC 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	23	22	22	21	22	22	24	28	30	26	24	25	25	26	26	26	31	40	45	40	35	32	32	33	28
2	33	33	37	36	33	38	43	45	45	38	32	33	29	29	30	30	32	35	32	31	29	31	31	31	34
3	31	31	30	30	30	30	30	35	32	33	33	32	31	29	***	14	12	13	16	16	13	13	11	10	24
4	10	10	9	12	13	11	11	13	17	17	15	15	16	16	16	17	17	17	17	17	16	16	16	16	15
5	17	16	16	14	14	13	13	14	15	15	15	14	15	15	15	16	18	17	16	16	15	16	17	24	16
6	12	10	10	9	10	11	14	20	23	20	17	15	15	15	16	22	25	26	24	21	21	22	22	18	17
7	18	20	16	15	13	14	14	16	20	16	16	16	16	16	16	13	15	15	14	13	13	13	13	13	15
8	11	11	10	10	10	10	10	15	20	17	17	17	16	16	17	20	23	21	19	19	17	15	15	14	15
9	13	12	12	12	11	12	14	14	26	26	20	17	17	15	14	12	16	25	30	27	27	21	20	19	18
10	21	21	21	16	16	14	15	19	28	23	18	16	17	16	***	***	***	***	***	***	***	***	***	***	***
11	- DATA MISSING -																								
12	- DATA MISSING -																								
13	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	14	14	14	14	14	13	13	13	***
14	12	12	16	16	16	16	18	28	38	34	28	16	17	17	17	17	18	20	20	17	16	16	15	15	19
15	14	13	13	12	12	12	14	18	18	15	15	15	14	16	16	18	21	15	10	11	13	14	13	13	14
16	13	13	13	13	13	13	14	15	16	14	14	14	14	13	14	12	14	14	14	14	14	14	14	14	14
17	14	14	14	14	14	14	14	16	17	17	17	19	20	17	11	11	12	12	13	13	13	13	13	13	14
18	12	12	12	12	12	12	13	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	15	17	14
19	22	22	20	17	17	17	17	18	19	17	18	18	18	18	19	19	19	19	21	25	22	20	18	16	19
20	14	14	13	13	15	15	18	25	25	24	25	22	19	18	19	19	23	24	24	25	25	23	20	20	20
21	20	17	18	18	18	19	22	27	25	22	20	16	16	16	15	15	16	16	17	17	16	16	16	16	18
22	16	16	16	16	16	16	16	28	21	20	18	18	19	19	19	***	12	15	15	18	20	23	26	26	19
23	20	11	11	11	11	11	13	17	19	17	16	16	12	12	13	13	15	14	13	12	12	10	9	9	13
24	13	12	12	9	8	7	7	8	9	9	10	9	11	11	13	13	13	13	11	11	11	11	12	15	10
25	8	8	8	8	8	8	9	9	9	9	10	9	11	11	13	13	13	13	9	9	9	9	9	8	12
26	14	14	16	16	13	13	12	12	14	15	15	14	15	12	9	9	9	9	9	9	9	9	9	8	12
27	8	8	8	8	8	8	10	10	10	11	12	13	13	12	13	14	14	14	12	14	17	21	17	14	12
28	10	8	7	7	6	6	9	9	10	10	8	8	8	9	8	8	***	13	11	11	12	12	11	12	9
29	13	13	13	13	13	13	15	17	22	20	19	18	17	16	19	16	17	17	15	14	14	14	14	16	16
30	17	17	17	15	14	14	14	18	18	16	15	13	13	12	13	13	13	13	13	13	12	12	12	13	14
31	13	13	13	15	16	16	17	23	26	22	17	21	21	22	20	21	23	26	24	29	31	26	21	21	21
MEAN	16	15	15	15	14	14	16	19	21	19	18	17	17	16	16	16	17	18	18	18	17	17	16	16	17

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5	14	14	14	14	14	14	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
6	17	17	17	17	20	20	20	22	22	20	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
7	19	19	19	19	20	21	22	29	30	29	30	30	23	24	23	23	24	28	28	26	31	27	31	31	25
8	28	28	26	26	31	33	29	27	24	24	26	27	23	21	21	23	23	24	24	25	26	26	27	34	26
9	29	29	38	28	30	27	25	23	23	23	23	23	22	22	22	21	22	22	22	22	22	22	22	21	24
10																									
11	21	21	21	21	21	21	22	25	25	23	22	22	23	24	24	25	24	25	24	24	24	24	23	22	23
12	22	23	23	23	23	23	23	25	26	26	25	25	26	25	25	25	26	39	31	43	43	37	34	38	28
13	35	33	34	35	42	39	28	29	32	32	30	29	28	27	27	27	29	27	27	28	27	27	27	26	30
14	26	24	23	23	23	23	24	26	24																
15	19	20	21	21	23	22	20	23	25	21	21	22	22	23	26	18	17	19	32	29	25	20	18	22	
16	20	27	33	23	26	22	19	21	17	17	15	15	15	15	15	16	15	15	15	15	14	15	15	16	18
17	16	16	17	18	18	19	19	21	22	22	22	21	19	19	19	20	22	31	31	24	26	28	28	26	22
18	25	24	23	24	22	23	22	21	22	24	23		13	12	12	12	12	13	13	13	13	14	14	15	18
19	13	14	14	13	13	13	13	14	17	15	15	15	13	13	12	12	12	14	15	14	13	13	13	12	14
20																									
21	12	13	13	13	13	13	13	14	15	13	12	12	12	12	12	12	12	13	13	13	13	12	12	11	13
22	12	12	12	12	12	12	12	12	12	12	12	12	13	13	13	13	13	15	16	17	17	16	18	19	14
23	27	39	24	17	14	14	12	11	11	11	11	11	11	12	13	13	13	14	14	14	14	14	13	13	15
24	13	14	14	13	13	13	14	15	15	15	15	14	14	16	16	17	17	19	20	24	24	18	16	14	16
25	14	14	14	14	14	15	16	18	17	17	17	17	16	17	15	15	18	23	18	17	17	18	19	19	17
26	17	16	16	15	15	15	15	14	13	13	12	12	12	12	12	12	12	12	11	11	12	12	12	14	13
27	15	17	16	14	14	14	14	15	16	16	17	17	17	16	16	16	16	16	16	16	16	16	15	14	16
28	13	13	13	13	13	13	13	14	14	14	16	14	13	13	14	14	13	13	14	13	14	13	14	14	14
29	13	14	14	14	14	14	15	17	17	16	15	15	15	15	14	14	15	16	15	15	15	15	15	15	15
30	14	13	12	12	12	13	13	12	12	12	12	12	13	12	13	12	12	13	14	13	13	13	14	14	13
31	13	13	13	14	14	14	14	14	14	15	15	15	14	15	14	15	15	15	15	15	15	15	15	14	14
MEAN	19	19	19	18	19	19	18	19	19	19	18	18	17	17	17	17	17	19	19	19	19	19	19	19	18

PERCENTAGE OF DATA VALID - 81

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	15	15	15	15	15	15	16	16	16	16	16	15	16	16	16	16	15	16	16	16	16	16	16	16
2	16	17	18	19	19	19	17	17	16	17	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16
3	16	16	16	16	16	16	16	18	17	17	17	16	16	16	16	16	16	16	16	16	16	16	16	16	16
4	20	17	15	15	14	13	15	18	17	17	22	17	15	16	15	15	15	14	14	14	13	12	12	12	15
5	12	11	11	11	11	11	12	13	13	12	10	10	10	10	10	10	10	10	10	11	10	9	9	11	11
6	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	12	12	12	13	13	12	10
7	14	14	13	13	13	14	17	20	19	20	22	24	19	13	13	14	14	13	14	14	13	13	12	12	15
8	12	12	12	12	11	11	11	11	11	11	11	11	11	10	10	10	10	11	11	11	11	11	11	11	11
9	11	12	12	13	13	13	13	12	11	11	11	10	9	9	9	9	9	9	9	11	12	12	12	11	11
10	12	13	13	14	15	15	16	15	15	15	13	13	12	12	12	14	13	12	16	17	16	16	15	14	14
11	15	15	14	14	14	14	14	15	15	15	15	14	16	15	15	15	16	16	16	15	13	13	13	13	15
12	13	13	12	12	12	13	15	15	15	15	14	14	14	18	16	17	17	39	18	11	11	11	12	12	15
13	12	12	13	14	15	16	17	17	17	18	19	19	19	19	19	19	19	19	19	19	19	19	20	17	15
14	22	23	23	23	23	22	23	21	19	18	16	15	14	14	13	12	12	12	12	12	12	12	12	12	16
15	12	12	13	13	13	13	13	13	13	13	13	14	13	13	13	13	10	10	12	13	12	13	13	12	13
16	12	13	14	14	15	15	16	19	21	22	19	16	15	16	16	16	15	16	17	18	16	16	16	17	16
17	18	19	18	17	17	16	17	21	20	19	18	18	30	23	15	14	13	13	13	13	13	14	13	13	17
18	13	13	13	13	13	13	14	16	17	17	16	16	15	14	13	13	13	12	12	14	15	15	17	14	14
19	16	18	15	17	20	17	16	26	26	15	15	15	15	15	15	16	16	16	16	16	15	14	14	14	17
20	14	14	14	14	14	14	14	16	18	21	73	33	33	31	25	19	13	12	13	13	13	13	12	12	20
21	12	12	12	13	13	13	14	14	14	14	14	14	14	14	14	15	15	14	15	15	15	15	15	15	14
22	15	15	15	15	15	15	17	19	19	18	17	17	17	17	17	17	17	16	16	16	16	16	16	16	16
23	16	16	16	16	16	17	19	21	17	14	14	15	15	15	15	15	15	15	15	15	16	16	16	16	16
24	15	14	14	14	14	14	13	15	14	14	14	14	14	14	14	19	16	15	16	16	16	18	17	17	15
25	17	17	17	16	15	15	19	17	17	16	16	16	12	12	12	12	13	13	15	22	28	33	34	30	18
26	26	28	45	40	37	30	30	34	34	47	52	27	25	23	24	23	23	23	25	26	21	16	16	16	29
27	16	14	14	14	12	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	10	11	11	12
28	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	14	14	13	13	11
MEAN	15	15	15	15	15	16	17	17	17	17	18	16	16	15	14	14	14	15	14	15	15	15	15	15	15

PERCENTAGE OF DATA VALID - 99

UNITS - PARTS PER TEN MILLION

MONTH MAY 71

13 14 15 16 17 18

PERCENTAGE OF DATA VALID - 94

UNITS - PARTS PER TEN MILLION

MONTH JUL 71

13 14 15 16 17 18

PERCENTAGE OF DATA VALID - 27

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	20	23	22	28	28	29	27	25	24	22	21	20	20	20	20	20	21	21	21	21	21	21	23	22
2	35	26	27	27	28	32	36	26	26	25	25	23	22	21	21	20	20	20	21	22	23	26	28	24	25
3	24	23	27	28	23	32	27	24	21	20	20	20	21	21	21	21	21	21	21	21	22	24	23	24	23
4	23	30	13	33	25	26	28	26	24	22	22	22	22	22	22	23	22	21	21	21	21	22	25	23	24
5	23	26	29	24	25	25	27	28	24	22	21	20	21	21	21	21	21	21	22	22	25	31	26	29	24
6	27	25	24	28	28	31	26	24	21	20	20	22	20	20	21	21	21	20	19	19	19	21	23	23	23
7	22	22	22	22	24	22	23	22	23	23	21	20	20	21	21	21	21	21	21	21	21	21	21	21	22
8	22	23	23	24	25	24	24	24	22	22	22	21	19	21	21	21	20	20	21	21	21	22	22	23	22
9	23	24	25	25	27	29	27	26	26	25	26	26	25	23	22	22	22	22	22	23	23	23	24	23	24
10	23	23	24	26	27	32	28	26	25	24	24	24	24	25	26	29	22	23	23	23	22	22	22	22	25
11	22	22	22	22	22	23	23	23	22	22	22	22	22	23	23	23	23	23	23	23	25	25	26	26	23
12	27	27	27	27	27	27	29	27	27	27	26	26	25	25	25	27	26	24	24	24	25	25	25	26	26
13	26	26	26	27	27	27	29	29	28	27	26	26	25	25	25	25	25	25	31	31	28	26	27	28	27
14	31	40	32	29	30	31	30	31	34	34	32	31	30	31	32	30	****	****	****	****	****	****	****	****	32
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN	25	26	26	26	26	28	28	26	25	24	24	23	23	23	23	23	22	22	22	22	23	24	24	24	24

PERCENTAGE OF DATA VALID - 44

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3	****	****	****	****	****	****	****	****	****	15	15	14	12	12	12	12	12	12	14	15	15	17	22	25	****
4	25	20	17	16	15	15	15	15	15	14	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
5																									
6																									
7																									
8																									
9																									
10	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	18	18	16	17	16	17	18	20	25	****
11	21	30	28	27	27	31	32	27	19	16	15	14	14	14	14	15	16	18	16	15	15	15	15	16	20
12	14	16	15	15	16	16	15	15	15	15	14	15	15	15	16	16	18	18	17	15	15	15	****	****	16
13																									
14	****	****	****	****	****	****	****	****	****	****	15	14	14	13	12	14	15	15	15	19	22	21	23	17	****
15	15	15	16	17	19	23	28	26	22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
16																									
17	****	****	****	****	****	****	****	****	****	****	****	****	19	17	17	16	16	16	18	20	24	25	33	27	****
18	27	22	26	24	22	23	20	17	16	16	16	15	15	15	15	15	15	17	18	17	20	20	22	19	
19	27	23	23	24	25	19	18	18	17	18	17	16	16	16	16	16	16	17	17	17	17	19	19	19	
20	19	21	28	31	23	30	36	37	24	21	18	16	16	15	16	17	15	14	14	14	15	14	14	14	20
21	14	15	15	17	16	18	22	20	18	16	14	15	14	14	15	18	19	19	18	19	27	29	31	25	19
22	25	24	25	26	23	24	26	33	27	22	19	16	15	15	16	16	16	19	28	32	40	32	39	34	25
23	28	33	30	26	28	29	31	40	30	22	19	20	21	18	18	14	14	14	13	13	13	13	13	15	21
24	15	15	15	15	16	17	20	22	18	17	15	16	15	14	14	15	15	14	15	21	17	17	18	29	17
25	36	29	25	22	24	24	24	28	19	16	15	15	15	15	14	14	15	16	18	28	27	19	22	26	21
26	23	22	20	20	19	18	17	17	16	15	15	15	14	14	14	14	15	15	16	16	16	16	17	17	17
27	16	16	16	16	17	17	20	21	19	17	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17
28	16	16	16	16	17	19	20	21	21	20	19	19	20	20	17	18	18	19	23	21	26	25	27	26	20
29	19	15	15	14	14	14	16	15	14	14	13	13	13	13	13	13	12	12	13	13	17	18	18	19	15
30	22	17	18	18	19	23	28	27	23	19	19	15	15	15	16	18	18	17	18	37	26	32	34	29	22
MEAN	21	21	20	20	20	21	23	23	20	17	16	16	16	15	15	15	16	16	17	19	20	20	22	22	19

PERCENTAGE OF DATA VALID - 59

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ELMCREST ROAD

ETOBICOKE

NO 35003

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25	24	25	24	25	24	27	32	36	23	23	24	20	18	17	20	21	21	24	26	27	29	31	57	26
2	54	38	40	19	18	19	22	22	18	17	19	21	20	18	17	17	17	18	19	20	22	26	23	22	23
3	19	20	20	17	16	16	16	16	16	16	16	17	17	17	16	17	16	18	18	18	18	17	17	17	17
4	18	17	18	18	18	20	26	28	19	16	15	15	14	14	13	14	15	15	16	20	20	20	19	19	18
5	19	19	26	22	21	23	30	25	22	21	20	20	19	19	18	18	18	20	21	21	21	20	20	21	21
6	20	19	19	19	19	19	20	20	20	19	18	19	19	19	19	20	20	21	23	24	25	21	20	22	20
7	25	25	26	25	25	25	26	23	23	7	5	5	4	4	3	4	3	4	4	4	5	6	6	6	12
8	8	17	10	10	10	10	11	16	12	11	7	8	7	9	5	6	3	3	6	6	5	6	5	6	12
9	4	5	4	4	4	4	5	5	5	5	7	7	4	3	1	2	1	0	1	1	1	1	3	3	6
10	5	5	14	7	10	14	15	13	10	10	7	4	3	1	1	6	3	1	1	1	1	1	3	3	6
11	4	5	5	6	6	6	7	7	8	7	6	5	5	4	4	4	3	3	3	5	5	6	6	7	5
12	7	8	8	9	9	10	12	12	12	11	10	10	10	8	7	7	7	7	13	12	17	15	16	20	11
13	13	11	11	13	12	12	16	21	17	15	14	13	12	10	12	13	12	12	11	12	13	20	23	17	14
14	19	14	12	13	14	16	17	23	25	17	12	9	9	8	8	9	9	11	14	12	10	10	11	10	13
15	10	10	10	11	11	12	15	17	13	12	12	9	7	9	8	8	12	15	21	26	30	32	25	23	15
16	15	13	15	12	16	15	14	13	13	13	15	17	17	13	11	11	11	14	16	15	12	10	10	11	13
17	11	11	11	11	11	11	11	12	13	13	13	15	14	14	13	14	14	14	15	15	14	14	14	14	13
18	14	14	14	14	14	17	16	17	17	21	15	15	14	14	15	19	20	19	16	16	16	17	23	25	17
19	24	27	29	31	28	26	27	23	23	25	25	20	17	14	13	15	15	17	18	31	26	33	26	29	23
20	21	21	22	26	26	31	37	46	66	37	27	23	19	16	14	14	14	14	16	18	32	30	25	26	26
21	24	24	24	24	24	26	31	35	45	37	32	21	17	18	16	16	17	19	22	27	32	37	31	38	26
22	37	44	40	40	33	25	23	24	23	21	22	24	22	20	19	26	26	24	20	24	21	25	23	26	26
23	31	24	21	19	19	19	17	17	17	17	17	16	15	15	15	15	15	15	16	16	16	16	17	17	17
24	16	16	16	16	16	16	16	17	17	17	17	16	17	17	17	17	17	17	17	17	18	18	17	17	17
25	18	17	17	17	17	19	19	21	23	20	17	17	16	16	15	15	16	16	16	16	15	16	16	17	17
26	18	21	22	16	15	15	15	19	19	19	18	18	19	17	16	17	19	19	21	20	21	22	24	26	19
27	27	28	31	31	30	31	37	43	31	22	19	18	17	15	15	16	17	18	21	19	18	23	23	27	24
28	23	21	18	17	17	18	18	20	18	17	15	14	13	13	14	14	17	21	21	29	34	21	17	22	19
29	19	23	21	22	21	23	31	30	31	26	25	20	18	17	26	21	26	44	58	36	30	32	38	42	28
30	33	38	36	28	31	28	27	31	28	28	24	22	23	24	19	19	20	19	21	19	18	17	17	18	25
31	19	19	19	19	20	20	20	21	21	22	22	23	21	21	18	14	14	14	14	14	14	14	15	16	18
MEAN	19	19	19	18	18	18	20	22	21	18	17	16	15	14	13	14	14	15	17	18	18	19	18	20	18

PERCENTAGE OF DATA VALID - 100

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ELMCREST ROAD

ETOBICOKE

NO 35003

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	18	19	20	21	21	24	25	23	22	21	20	20	****	25	24	25	31	47	52	49	41	31	27	27
2	24	23	23	23	24	25	28	28	28	25	21	20	20	20	19	19	19	19	20	20	21	23	21	21	22
3	22	22	22	22	22	23	24	25	25	24	23	22	21	21	21	21	21	22	22	23	27	27	31	31	24
4	27	26	26	26	26	26	26	26	26	26	25	25	24	24	24	24	24	25	25	26	28	27	27	26	28
5	26	26	28	27	27	28	33	40	36	29	27	27	28	26	25	25	25	25	25	25	26	27	27	26	28
6	25	24	24	24	24	24	24	25	25	26	25	25	25	24	23	23	24	25	25	25	26	26	26	26	25
7	26	26	26	26	26	26	27	27	27	28	28	28	27	27	27	26	27	27	27	27	28	28	31	33	27
8	32	31	31	38	35	31	31	31	31	30	29	29	28	27	26	11	12	12	81	38	23	22	20	25	29
9	25	27	24	23	25	22	22	18	18	15	16	11	13	12	12	13	14	16	16	15	13	12	11	11	17
10	11	11	11	11	11	10	10	10	11	11	11	11	11	16	10	9	10	9	10	10	10	14	17	13	11
11	12	13	13	11	11	12	13	13	12	11	11	12	10	10	10	11	11	12	13	12	11	16	36	18	13
12	12	11	11	11	16	13	13	12	13	12	11	10	9	8	8	8	9	10	12	12	16	13	13	11	16
13	20	38	26	20	18	20	18	15	12	8	8	8	13	14	12	12	11	10	11	10	10	10	10	10	14
14	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	11
15	10	10	10	9	9	9	11	14	16	16	16	17	16	20	20	17	23	20	20	19	15	14	14	14	15
16	13	15	15	13	13	13	12	13	13	13	13	13	18	18	20	20	23	21	20	21	21	19	18	17	17
17	17	16	15	15	15	15	17	17	21	19	18	19	16	18	22	24	20	21	20	19	22	26	34	37	20
18	40	30	27	31	28	25	33	44	37	46	26	20	20	20	18	20	24	23	24	21	16	14	13	12	26
19	10	11	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
20	10	10	10	10	10	11	12	16	14	13	11	13	14	14	16	15	14	16	10	13	10	9	9	11	12
21	17	11	11	11	13	13	15	14	14	12	12	12	12	12	12	12	12	13	13	13	13	14	15	13	13
22	15	15	15	15	15	16	16	16	16	16	16	16	15	14	15	15	15	15	17	19	19	19	20	21	16
23	20	20	19	20	22	21	23	25	31	28	24	19	18	17	15	14	15	17	16	16	16	15	15	16	19
24	15	15	16	16	16	16	17	18	17	16	15	15	15	15	15	15	15	17	16	17	17	15	15	18	16
25	17	28	58	22	20	17	19	21	24	24	20	15	13	12	13	14	13	15	17	16	15	14	13	13	19
26	14	14	14	14	14	14	16	14	14	14	14	14	14	14	13	12	12	18	16	17	16	17	15	15	15
27	16	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	14	14	14	15	17	19	17	15	14
28	15	15	14	14	13	13	13	14	12	12	12	12	11	11	12	12	13	11	11	11	12	14	14	14	13
29	13	13	12	12	12	12	13	14	20	16	15	14	14	14	15	15	15	12	12	11	11	10	10	10	13
30	9	9	9	10	10	10	10	11	11	12	12	12	12	12	12	12	12	13	15	16	17	16	16	14	12
MEAN	18	18	19	18	18	17	18	19	19	19	17	16	17	16	16	16	17	17	20	19	18	18	19	18	18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	18	30	43
FEB	28	15	29	73
MAR	28	19	31	100
APR	29	22	36	106
MAY	30	18	26	44
JUN	DATA MISSING			
JUL	9	25	29	45
AUG	14	24	32	40
SEP	21	19	25	40
OCT	31	18	28	66
NOV	30	18	29	81
DEC	26	14	19	32
YEAR	273	18	36	106

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL HYDROCARBONS

UNIT - PARTS PER TEN MILLION

STATION - ELMCREST ROAD ETOBICOKE

NO 35003

	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141-200	201&OVER	TOTAL
JAN	0	393	186	27	0	0	0	0	606
FEB	46	563	48	13	1	0	0	0	671
MAR	1	384	209	33	1	1	0	0	629
APR	3	295	258	68	4	1	0	0	629
MAY	4	476	208	16	0	0	0	0	704
JUN	DATA MISSING								
JUL	0	17	163	22	0	0	0	0	202
AUG	0	4	302	22	0	0	0	0	328
SEP	0	299	108	20	0	0	0	0	427
OCT	135	353	205	50	1	0	0	0	744
NOV	75	388	220	35	1	0	0	0	719
DEC	109	439	50	1	0	0	0	0	599
YEAR	373	3611	1957	307	8	2	0	0	6258

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
77	0	11.0	13.7	16.4	20.5	26.3	30.1	35.2	39.7	106	18.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST

NO 35033

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	11	11	13	14	14	13	11	10	11	11	10	10	9	9	6	8	13	14	14	19	24	24	11	9	12
2	15	17	17	17	18	18	21	17	16	14	12	12	15	10	****	****	****	****	****	****	****	****	****	****	****
3	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
4	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
5	16	16	16	15	15	15	15	16	17	17	17	16	16	16	16	16	18	18	18	18	19	19	19	17	****
6	18	18	18	18	18	18	18	18	20	17	18	18	18	18	20	20	23	24	22	22	22	22	20	20	20
7	20	21	22	24	22	22	20	22	24	21	19	19	19	19	16	16	16	16	14	14	16	15	14	14	19
8	15	15	14	15	15	14	16	20	28	30	27	24	20	20	19	18	18	18	16	17	19	18	18	17	19
9	17	17	17	17	16	13	14	16	16	17	17	16	14	12	12	12	12	****	****	****	****	****	****	****	15
10	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
11	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
12	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
13	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
14	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
15	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
16	8	8	8	7	7	7	6	7	8	7	7	7	6	6	6	5	7	8	9	11	14	13	10	9	8
17	8	10	12	9	8	9	7	8	8	8	6	5	3	3	3	2	4	5	6	8	8	7	6	6	7
18	7	7	7	6	6	6	6	6	9	11	10	8	6	7	7	8	9	11	13	12	10	8	9	8	8
19	7	7	7	7	5	5	6	6	7	10	6	6	7	7	7	7	9	11	13	12	10	8	9	8	8
20	10	10	9	10	8	8	9	11	15	14	11	8	5	4	4	4	6	9	12	11	10	10	8	8	9
21	8	8	7	7	7	7	7	7	7	8	7	6	5	4	5	6	****	18	19	17	15	14	13	13	9
22	15	16	16	16	17	15	15	16	16	18	17	13	10	9	8	7	10	15	19	20	20	17	18	19	15
23	22	22	16	18	22	19	17	15	14	16	15	15	13	12	11	9	9	9	12	16	17	18	16	15	15
24	14	14	14	14	14	14	15	16	18	18	17	14	12	12	11	11	11	12	12	13	15	18	18	17	14
25	16	15	17	18	18	16	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
27	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
28	15	15	14	13	14	14	14	16	16	14	13	12	10	12	13	13	16	13	13	12	11	11	11	10	13
29	11	11	13	12	12	13	13	14	13	13	13	9	11	13	15	14	14	14	15	14	15	15	14	14	13
30	11	11	13	12	12	13	13	14	13	13	13	9	11	13	15	14	14	14	15	14	15	15	14	14	13
31	15	15	15	15	15	14	14	14	13	11	10	9	9	9	9	10	13	14	14	15	15	15	16	14	13
MEAN	13	14	14	14	14	13	13	13	14	15	13	12	11	11	10	10	13	14	14	15	15	15	13	13	13

PERCENTAGE OF DATA VALID - 62

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST

NO 35033

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	15	16	15	14	15	17	17	16	14	12	11	17	17	17	17	16	16	15	14	14	16	17	16	15
2	15	17	17	17	18	16	16	16	15	17	16	15	15	16	16	17	17	17	15	15	16	16	16	16	16
3	17	17	16	15	14	14	17	19	21	19	20	18	16	15	15	17	18	18	18	16	14	14	15	18	17
4	24	22	19	16	16	17	16	16	17	17	18	18	18	18	18	18	17	17	15	16	15	16	14	15	17
5	15	15	14	13	13	13	14	17	18	16	13	15	15	14	15	15	14	15	15	15	14	15	14	14	15
6	15	15	14	14	14	15	14	14	15	14	14	13	14	13	13	13	14	15	16	16	16	17	17	17	15
7	17	17	17	17	20	20	20	20	21	22	18	17	15	14	14	14	16	15	17	16	17	17	17	16	17
8	15	16	16	16	16	15	16	18	19	18	17	16	17	18	17	18	18	18	16	15	14	14	14	13	16
9	14	13	13	13	12	12	14	16	16	14	14	13	14	15	15	14	16	16	16	16	16	15	14	13	16
10	15	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
11	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
12	11	11	11	11	11	12	11	12	14	14	12	13	15	14	16	18	23	20	19	13	11	11	10	10	****
13	10	11	10	10	10	10	10	10	10	10	9	9	10	10	10	9	9	9	9	9	9	9	9	9	10
14	10	9	9	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
15	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
16	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
17	14	17	17	17	14	14	17	20	19	17	17	17	17	17	17	17	17	17	16	15	14	14	14	14	****
18	16	15	15	15	12	13	13	19	18	17	16	15	14	15	14	16	18	18	21	18	17	18	16	16	16
19	18	18	18	18	18	21	22	27	23	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	18
20	13	13	13	13	13	12	12	12	13	14	17	27	25	25	20	19	19	16	16	16	13	13	13	13	16
21	13	12	12	11	10	10	11	11	11	11	10	10	6	10	10	10	10	10	10	10	10	10	10	10	10
22	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
25	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
26	40	56	50	50	58	55	55	73	85	95	67	52	41	41	44	47	56	59	51	42	42	42	38	38	53
27	39	38	37	37	37	37	36	39	38	37	36	36	36	36	36	36	36	36	36	35	35	35	35	35	36
28	35	34	33	31	31	32	31	31	32	33	33	33	33	32	32	32	32	32	32	32	30	31	31	31	32
MEAN	18	19	18	18	18	19	19	21	22	22	20	19	18	19	19	20	21	21	20	19	19	19	18	18	19

PERCENTAGE OF DATA VALID - 72

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST

NO 35033

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	11	11	11	11	10	12	14	15	11	9	9	8	8	****	12	12	17	25	27	25	27	25	23	15
2	12	24	27	24	22	21	25	30	28	17	****	12	10	11	12	14	14	14	14	16	15	13	12	18	
3	12	13	13	13	12	12	14	16	16	14	12	13	13	12	13	13	14	15	13	13	13	12	13	12	13
4	12	13	14	13	12	12	13	13	13	12	12	11	11	12	11	10	12	14	13	13	14	13	13	12	12
5	11	12	11	12	12	12	12	15	14	12	11	10	11	12	14	16	16	18	15	15	17	17	19	21	14
6	18	16	15	14	13	15	17	17	15	15	13	12	12	12	12	13	13	13	12	12	12	13	12	11	14
7	11	11	10	10	10	11	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
8	10	11	10	9	10	11	11	12	14	12	11	11	11	12	****	15	16	16	15	13	13	13	14	13	12
9	13	13	13	13	14	13	14	16	15	12	9	9	9	9	9	9	11	15	16	16	14	15	16	13	
10	16	17	19	22	26	21	25	30	38	24	11	10	8	10	11	13	15	16	14	14	14	13	13	12	17
11	12	13	13	13	14	15	15	17	17	15	12	8	8	8	8	7	10	13	18	21	28	23	22	20	15
12	19	19	17	18	17	17	22	27	26	24	16	10	7	11	12	10	18	14	14	14	14	13	13	12	16
13	14	16	16	16	16	15	15	15	15	15	14	12	12	12	12	14	16	17	17	17	19	21	21	16	
14	23	23	22	20	19	20	22	22	17	13	11	11	9	9	9	11	14	15	18	24	30	36	37	36	20
15	39	36	22	18	15	14	14	18	25	14	12	11	13	11	14	16	15	15	14	14	14	14	14	14	17
16	15	15	15	15	14	16	16	18	20	17	17	16	16	19	19	21	23	23	23	22	22	24	24	19	
17	21	22	21	22	23	23	25	28	24	19	20	18	18	16	16	17	21	24	24	24	24	27	28	29	22
18	28	28	30	31	31	32	35	35	30	23	20	18	15	17	20	21	25	24	24	20	20	19	21	20	24
19	18	18	17	16	15	14	14	16	17	17	17	16	15	15	15	15	15	18	15	21	15	12	12	12	16
20	12	13	13	14	15	16	16	16	15	14	12	12	9	11	11	11	12	12	12	12	12	12	12	13	
21	12	12	12	12	12	12	13	13	13	12	10	9	9	9	10	11	11	12	12	14	14	14	15	12	
22	15	14	14	16	14	13	14	15	15	12	10	10	8	8	12	14	16	16	****	****	****	****	****	****	13
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	
25	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	
26	16	16	22	24	22	23	21	20	18	12	10	9	8	8	8	10	18	18	18	16	17	17	16	16	
27	22	28	25	24	21	20	20	19	14	12	12	12	11	10	12	13	16	16	16	16	16	16	16	14	17
28	14	14	13	13	13	13	13	14	14	14	13	13	12	12	12	14	14	16	16	16	16	16	16	14	17
29	16	14	14	13	12	12	12	14	14	12	7	6	6	10	16	15	14	14	13	13	12	12	14	12	12
30	12	12	12	12	12	13	14	15	12	12	12	10	12	10	8	10	10	10	10	11	16	17	16	12	12
31	17	18	16	19	18	16	18	22	14	12	8	8	8	8	10	17	17	16	16	16	14	13	14	14	15
MEAN	16	17	16	16	16	16	17	19	18	15	12	11	11	11	12	13	15	16	16	16	17	17	17	17	15

PERCENTAGE OF DATA VALID - 90

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST

NO 35033

MONTH APR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	14	16	16	14	14	14	16	18	18	14	12	12	14	16	20	20	24	24	20	19	17	20	20	15	17
2	14	14	13	16	16	16	16	16	16	13	12	12	12	14	14	14	12	13	14	16	17	16	16	16	15
3	16	16	16	16	15	14	16	14	13	13	12	14	12	12	14	13	13	15	15	15	15	14	14	14	14
4	13	13	13	13	13	12	13	12	12	12	11	8	9	11	9	10	11	13	12	13	13	16	16	17	12
5	16	16	16	16	13	13	16	17	18	12	12	8	7	8	8	8	15	14	16	17	18	20	22	20	14
6	20	20	16	16	16	16	18	18	16	15	8	10	****	****	16	16	16	16	15	20	23	23	19	19	17
7	17	13	12	13	12	11	11	11	9	6	6	4	4	5	7	9	10	10	10	10	12	12	12	15	10
8	16	12	12	11	11	11	12	11	11	7	5	3	8	11	14	16	15	12	12	12	12	12	13	16	11
9	18	18	16	16	14	18	18	12	9	7	5	5	5	7	10	10	10	11	12	11	11	12	12	12	12
10	12	12	12	12	12	12	12	12	10	10	10	7	7	7	9	9	9	10	10	12	15	17	18	20	12
11	17	19	21	24	22	23	24	17	13	9	9	8	5	6	6	4	4	6	10	12	15	19	17	17	14
12	18	18	24	24	19	17	14	17	14	12	10	10	8	9	6	10	11	14	16	18	19	20	19	22	15
13	24	22	15	11	12	13	11	15	12	10	11	9	9	7	10	10	11	15	12	13	14	14	15	14	13
14	12	12	12	12	12	12	12	11	10	9	9	9	9	10	12	****	18	12	10	11	11	11	12	12	11
15	14	14	14	14	14	17	17	17	15	8	3	4	3	3	2	5	7	8	9	9	11	12	13	14	10
16	8	8	8	6	4	3	5	6	3	6	6	6	5	6	9	10	12	13	12	15	15	26	22	18	10
17	21	19	25	32	23	13	13	13	13	13	14	15	11	11	11	11	11	13	13	11	11	11	12	15	15
18	16	17	19	17	14	12	11	11	9	8	8	13	7	7	9	7	8	8	8	8	10	10	10	10	11
19	10	10	10	10	10	10	14	13	11	9	4	8	8	8	11	****	****	18	18	22	****	****	****	****	11
20												-	DATA MISSING	-											
21																									
22																									
23																									
24	15	15	15	15	15	13	13	13	13	13	13	12	11	11	11	12	12	15	15	15	16	16	16	16	****
25	13	14	14	14	14	14	14	12	12	11	11	11	12	12	12	12	13	14	13	13	13	13	14	14	13
26	12	16	14	14	14	14	16	16	15	12	12	10	11	11	11	10	10	12	12	12	13	15	16	16	13
27	16	16	15	15	15	15	17	17	17	14	11	9	11	****	15	15	15	15	17	17	17	14	11	9	14
28	16	16	16	16	16	16	18	17	18	20	20	20	18	18	18	19	21	25	26	23	19	19	22	20	19
29	18	16	16	16	16	18	18	18	18	18	16	16	16	17	17	16	16	16	16	17	17	17	17	17	17
30	19	19	18	17	17	17	19	19	17	14	12	14	14	16	16	18	18	17	17	17	17	18	18	17	17
MEAN	16	15	15	15	14	14	15	14	13	11	10	10	9	10	11	12	13	14	14	14	15	16	16	16	14

PERCENTAGE OF DATA VALID - 86

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST

NO 35033

MONTH JUL 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	25	23	26	24	24	26	28	25	22	21	19	19	17	19	19	19	21	24	24	24	24	24	24	24	23
2	24	24	24	24	24	24	24	22	20	18	19	19	17	19	19	19	15	15	14	16	19	20	19	19	20
3	20	19	18	18	18	20	19	16	10	10	10	10	9	10	9	9	11	13	16	18	17	19	20	23	15
4	29	33	33	32	28	25	22	19	13	11	11	10	13	12	14	14	13	15	14	16	16	17	18	20	19
5	23	27	29	24	18	18	22	24	24	19	14	14	12	13	17	18	20	20	21	23	21	23	25	17	20
6	14	14	14	16	17	14	20	18	14	10	8	9	12	11	11	13	14	15	14	20	24	23	23	15	15
7	22	18	18	19	22	23	22	20	15	17	13	12	12	12	12	13	11	13	14	15	17	22	24	25	17
8	24	25	27	25	20	23	21	19	14	12	13	11	17	18	19	22	21	19	17	18	19	21	21	20	19
9	19	20	20	19	17	17	17	17	13	13	13	13	13	13	13	13	19	16	15	16	16	17	23	21	19
10	18	18	15	16	16	15	13	13	7	7	12	12	14	13	13	14	14	14	15	16	16	15	16	17	14
11	13	14	14	14	14	13	11	10	11	7	7	9	9	9	10	11	12	12	12	13	16	16	16	15	12
12	14	14	14	15	16	17	19	18	11	12	11	9	9	10	12	12	13	13	14	14	16	15	15	16	14
13	14	15	15	14	13	13	14	15	17	14	15	12	10	11	11	11	12	13	14	15	16	15	14	15	14
14	14	14	14	13	13	13	14	13	12	10	11	12	10	8	10	12	11	13	13	16	17	15	16	17	13
15	16	16	18	17	16	16	15	16	16	13	14	12	12	14	13	15	14	13	14	16	19	17	16	17	15
16	21	20	23	25	24	18	17	15	13	11	13	12	12	12	12	12	11	11	11	10	12	12	21	10	15
17	10	12	12	12	11	11	11	10	9	8	9	9	8	9	10	9	9	9	10	10	12	12	13	12	10
18	13	13	12	11	12	13	10	8	7	7	8	7	7	8	8	7	8	10	10	10	12	12	15	16	10
19	12	12	13	14	16	17	18	18	13	13	15	13	11	15	13	12	11	11	11	11	12	13	12	14	13
20	12	12	13	13	14	14	14	12	9	8	12	12	11	10	10	10	10	9	14	13	15	18	16	16	12
21	17	14	13	13	15	17	21	17	19	14	13	11	12	12	10	12	14	13	14	12	13	12	12	16	14
22	23	25	21	20	20	24	22	20	15	20	20	17	20	13	14	16	9	9	9	14	15	15	18	18	17
23	18	20	26	28	28	19	21	21	16	13	14	14	14	14	14	15	15	15	14	14	16	21	21	22	19
24	17	17	15	15	15	15	15	16	17	13	14	12	8	8	8	6	6	6	8	9	10	11	11	12	12
25																									
26																									
27																									
28																									
29																									
30	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
31	20	19	19	19	19	18	18	17	12	11	11	11	12	14	12	15	15	14	15	15	15	15	15	15	15
MEAN	18	18	19	18	18	18	18	17	14	12	13	12	12	12	12	13	13	13	14	15	17	17	18	18	15

PERCENTAGE OF DATA VALID - 79

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST

NO 35033

MONTH AUG 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	16	16	17	17	18	18	18	16	15	13	12	11	13	14	12	13	14	15	15	16	17	17	17	17	15
2	20	23	23	30	27	21	22	16	18	16	13	13	11	11	10	11	12	12	12	16	17	17	18	18	17
3	20	19	18	16	16	17	21	20	13	11	11	13	13	13	14	14	14	14	13	15	15	16	14	14	15
4	13	14	14	13	13	14	16	16	14	12	11	12	11	14	15	16	17	17	15	15	15	15	15	14	14
5	16	14	14	14	14	14	16	14	13	13	13	14	19	16	16	16	16	16	16	17	18	19	17	16	15
6	18	16	15	13	14	14	15	13	8	8	10	12	15	14	14	18	18	17	17	17	19	19	20	22	15
7	20	20	20	18	18	20	19	17	15	14	13	15	16	16	12	12	16	16	19	19	19	21	22	21	17
8	21	21	21	21	21	22	21	17	15	16	17	19	20	18	16	17	17	15	17	18	19	21	21	21	19
9	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
10	10	10	12	14	13	15	17	13	14	13	13	11	16	13	14	12	9	12	13	13	13	13	13	13	13
11																									
12																									
13	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
14	18	17	18	19	22	21	12	15	11	11	12	9	11	9	9	8	8	8	13	13	16	13	14	13	13
15																									
16	25	24	27	23	19	24	28	26	19	15	14	18	19	17	15	17	20	15	14	16	16	25	28	30	22
17	31	20	22	22	23	24	29	29	22	27	27	24	21	20	20	22	19	19	17	21	22	26	33	34	24
18	44	47	47	47	43	42	39	33	24	21	22	19	20	19	19	20	20	20	17	17	17	18	19	21	27
19	17	15	15	15	16	17	18	20	21	18	16	16	15	15	15	19	18	18	18	19	23	22	21	23	18
20																									
21	19	17	18	17	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
22																									
23	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING	DATA MISSING
24	14	14	15	15	16	16	17	15	13	12	12	11	11	12	12	14	14	13	14	15	16	17	16	17	14
25	19	20	23	17	15	14	15	16	14	14	14	14	15	15	15	16	16	17	19	26	24	22	25	24	18
26	22	19	15	15	15	14	14	15	15	15	14	15	18	17	17	17	18	16	17	16	16	14	14	14	16
27	14	14	13	12	13	14	16	15	15	15	15	15	14	14	17	16	16	15	15	14	14	13	13	14	14
28	13	14	11	12	11	11	11	11	10	10	12	12	12	13	13	13	13	13	13	13	13	13	13	13	12
29																									
30																									
31																									
MEAN	20	19	19	19	18	18	19	18	15	15	14	14	15	15	15	16	16	16	16	17	18	19	19	19	17

PERCENTAGE OF DATA VALID - 64

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST

NO 35033

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												-	DATA MISSING	-											
2												-	DATA MISSING	-											
3												-	DATA MISSING	-											
4												-	DATA MISSING	-											
5												-	DATA MISSING	-											
6												-	DATA MISSING	-											
7												-	DATA MISSING	-											
8												-	DATA MISSING	-											
9												-	DATA MISSING	-											
10												-	DATA MISSING	-											
11												-	DATA MISSING	-											
12												-	DATA MISSING	-											
13												-	DATA MISSING	-											
14												-	DATA MISSING	-											
15		****	****	****	****	****	****	****	****	****	****	****	****	****	****	17	15	15	15	16	15	16	17	17	****
16	18	17	22	17	17	19	22	****	****	****	****	****	****	****	****	17	19	19	21	21	22	22	23	26	****
17	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	17	19	19	19	21	21	22	22	23	26
18	24	20	19	18	18	21	18	18	18	19	17	16	17	17	17	16	16	16	17	18	17	17	17	17	18
19	19	19	17	18	18	19	17	16	17	15	15	15	13	14	14	14	14	14	15	14	14	15	15	15	16
20	16	18	22	27	21	21	26	27	19	20	19	15	16	14	15	16	17	16	14	13	13	13	13	13	18
21	13	13	12	13	13	16	21	19	15	14	13	11	13	14	15	15	15	14	17	27	29	22	23	25	17
22	23	25	21	22	20	25	32	34	34	22	17	17	15	15	15	16	15	16	15	15	16	15	15	13	20
23	13	13	13	14	15	17	19	17	15	15	17	18	18	18	16	17	17	16	15	14	13	14	13	13	15
24	13	13	14	13	14	15	21	20	16	****	****	****	****	****	****	13	13	13	12	12	12	12	12	15	14
25	17	17	16	15	17	19	23	18	15	15	13	10	10	9	9	9	10	10	11	13	15	13	13	12	14
26	10	11	16	13	11	11	11	10	9	9	8	8	8	8	9	9	10	10	10	10	10	10	10	11	10
27	11	11	11	11	12	12	15	16	13	12	11	10	9	11	12	12	12	13	12	12	11	13	13	12	12
28	13	13	12	11	12	12	16	19	14	15	13	12	15	15	14	15	15	16	17	18	22	20	22	21	16
29	21	17	16	15	14	13	14	13	14	14	14	14	14	13	13	14	15	16	16	16	16	16	14	17	15
30	17	19	31	24	20	20	25	29	19	17	16	13	14	11	16	17	15	13	15	19	26	27	23	17	19
MEAN	16	16	17	17	16	17	20	20	17	16	14	13	14	13	14	14	15	14	15	16	17	16	16	16	16

PERCENTAGE OF DATA VALID - 45

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST

NO 35033

MONTH OCT 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	14	14	15	15	26	44	46	22	16	15	****	****	18	18	17	17	16	17	18	25	32	24	34	22
2	42	48	53	49	28	19	37	28	16	16	15	13	13	13	14	14	14	15	17	23	24	31	26	28	25
3	24	24	19	16	13	13	13	14	12	11	11	10	11	11	11	11	12	12	13	11	12	12	13	12	13
4	12	13	13	12	12	14	19	22	22	****	****	12	12	13	14	13	13	14	14	16	17	16	15	15	
5	14	14	15	14	18	20	22	16	15	12	12	12	12	12	12	13	12	14	15	18	20	16	15	16	15
6	17	12	14	13	12	14	18	14	14	12	10	11	11	12	14	11	12	11	11	9	11	11	10	12	
7	11	10	10	11	10	10	11	12	10	9	8	8	10	10	12	12	11	10	10	10	10	13	15	14	11
8	11	14	15	15	14	15	20	22	17	16	****	16	15	16	17	18	18	17	17	19	20	17	17	16	17
9	14	16	15	15	15	15	15	16	16	15	16	16	15	15	14	14	15	15	17	16	17	18	18	16	16
10	16	15	15	16	14	14	15	17	17	17	14	13	12	14	14	14	14	15	14	15	15	14	15	13	15
11	13	13	13	13	13	13	13	13	13	12	12	12	12	11	11	11	11	11	12	12	12	12	12	12	12
12	13	13	13	13	13	15	18	18	16	14	15	13	13	12	14	15	15	14	17	19	22	23	22	19	16
13	15	15	15	14	14	15	19	24	19	21	24	16	15	16	20	22	21	20	19	20	20	22	23	26	19
14	25	26	26	24	23	26	25	29	32	25	19	19	20	18	21	20	19	22	34	30	24	17	22	30	24
15	32	26	16	14	15	17	21	20	20	18	****	20	18	22	22	23	19	21	24	25	33	39	51	53	25
16	35	32	24	21	19	19	19	20	20	20	22	22	19	16	18	15	17	21	28	23	16	16	18	19	21
17	16	15	13	15	14	14	15	15	15	14	14	14	14	14	14	14	15	17	17	15	15	15	15	15	
18	14	14	15	15	18	21	22	20	20	19	17	19	21	19	25	26	26	22	23	21	26	37	42	22	
19	50	26	25	24	22	22	26	27	22	22	22	20	18	19	19	22	20	23	27	31	40	47	47	54	28
20	40	33	29	54	44	48	60	70	58	42	23	18	18	18	20	22	22	22	25	33	37	45	38	34	35
21	33	35	38	40	41	44	55	69	52	30	22	25	23	19	31	33	23	25	36	26	30	43	41	48	36
22	32	30	33	30	26	21	21	20	18	26	24	23	26	21	27	29	23	20	21	20	21	23	24	23	24
23	30	31	24	20	20	21	21	23	18	16	16	16	14	16	18	16	16	16	14	15	15	14	14	14	18
24	14	14	14	15	14	14	14	14	13	14	14	14	14	14	14	14	14	14	14	14	13	13	13	12	14
25	13	15	15	16	17	18	18	25	26	23	19	19	18	15	16	17	17	16	15	15	17	17	17	17	18
26	16	15	15	17	15	15	17	20	21	16	15	16	15	15	18	18	16	16	16	24	29	17	17	17	
27	21	26	29	27	27	26	27	28	20	17	15	15	15	****	21	21	20	19	19	19	21	26	28	23	22
28	22	22	22	21	18	21	30	33	22	17	17	16	17	17	18	20	22	31	36	53	59	55	37	41	28
29	23	23	28	42	24	27	38	42	35	29	22	20	****	18	18	20	21	23	29	27	22	30	40	45	28
30	46	37	32	25	22	24	29	33	28	23	23	23	23	21	23	21	21	22	21	18	17	16	14	14	24
31	15	15	15	15	14	15	15	15	15	15	16	17	15	18	18	19	17	17	17	17	16	16	16	14	16
MEAN	22	21	21	21	19	20	24	26	21	19	17	16	16	16	17	18	17	18	20	20	22	23	23	24	20

PERCENTAGE OF DATA VALID - 98

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST

NO 35033

MONTH NOV

71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	15	15	16	16	17	19	19	24	21	16	16	15	16	16	16	18	21	25	30	38	39	20	14	14	20
2	14	14	13	13	13	13	14	19	25	17	12	***	***	13	14	15	16	17	16	15	15	15	13	14	15
3	14	13	13	13	13	13	14	16	16	12	10	10	10	8	8	9	11	12	13	13	14	17	17	16	13
4	15	13	13	12	12	12	12	15	14	12	9	8	9	9	9	10	11	14	14	14	15	13	11	10	12
5	10	10	13	14	12	15	21	19	14	10	12	***	11	17	22	26	27	27	30	27	27	25	24	19	19
6	24	24	26	26	26	26	25	25	25	24	20	17	17	17	20	25	25	25	25	26	25	25	25	25	24
7	25	26	25	24	24	24	24	24	22	18	15	15	15	15	15	15	17	19	19	22	24	25	25	26	21
8	27	27	26	23	23	21	22	25	23	15	***	***	***	13	12	19	25	26	27	32	34	50	35	35	26
9	37	41	41	45	46	26	16	16	20	20	18	16	16	17	18	18	20	22	17	23	20	18	15	24	15
10	15	15	15	15	15	14	14	15	15	14	26	13	11	11	11	12	14	14	14	15	15	16	17	20	15
11	21	16	15	15	15	15	16	19	19	17	15	15	15	15	15	15	20	17	17	17	19	19	19	19	17
12	15	14	14	14	15	15	18	28	24	19	24	***	***	13	15	15	21	23	23	26	26	25	27	29	20
13	31	28	29	26	20	24	29	28	28	19	20	21	21	21	20	20	21	21	20	19	18	18	18	17	22
14	17	16	16	17	16	16	17	15	16	15	14	14	12	13	14	13	13	13	12	12	11	12	11	14	14
15	11	11	10	11	11	10	13	19	22	21	29	30	28	24	20	21	29	35	37	42	40	34	18	17	23
16	15	16	15	14	13	12	11	14	17	14	***	***	***	***	20	20	19	20	16	17	17	16	15	16	16
17	16	15	16	21	21	15	17	22	21	19	16	17	20	18	19	18	19	19	18	18	20	28	40	20	20
18	40	54	56	54	42	39	45	52	60	37	18	18	17	17	18	18	23	26	24	19	12	14	15	17	31
19	15	11	13	14	9	11	11	12	17	16	***	12	11	12	12	13	14	14	14	13	13	13	12	11	13
20	11	11	11	12	12	12	12	14	13	10	12	12	11	11	11	11	14	13	11	13	13	13	15	12	12
21	13	13	13	15	11	11	11	11	10	9	9	10	10	10	10	11	11	11	11	11	11	11	11	11	11
22	11	10	10	10	10	10	11	13	13	12	12	12	12	12	12	12	14	14	13	13	12	13	13	13	12
23	13	13	13	***	***	***	***	***	***	***	***	***	***	***	***	***	18	17	15	15	13	13	14	15	***
24	15	13	13	13	13	13	16	18	18	17	16	16	16	16	16	17	18	20	20	16	17	18	17	18	16
25	20	25	25	22	23	22	22	26	28	27	25	19	16	15	17	18	23	28	24	26	23	20	19	19	22
26	19	20	22	20	20	20	20	24	22	20	22	***	14	18	23	30	31	31	29	30	30	29	28	28	24
27	25	23	23	23	23	22	22	22	23	26	25	23	21	21	22	24	25	24	24	24	26	27	29	29	24
28	30	26	24	24	23	20	19	19	18	16	14	14	13	15	18	18	19	21	24	25	25	27	27	21	21
29	25	27	27	25	25	25	27	30	33	29	25	21	21	21	22	24	26	27	26	25	25	25	25	24	25
30	24	22	22	24	24	25	24	24	25	24	24	21	20	18	17	18	22	24	26	27	27	27	25	28	23
MEAN	19	19	20	20	19	18	19	21	21	18	18	16	15	15	16	17	20	21	20	21	21	21	20	20	19

PERCENTAGE OF DATA VALID - 96

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST

NO 35033

MONTH DEC

71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	29	29	29	29	29	29	30	33	26	18	21	23	23	18	15	16	18	27	37	35	41	37	36	39	28
2	39	42	30	42	47	43	38	43	45	28	20	16	13	13	15	17	20	26	28	31	30	27	26	26	29
3	26	24	24	24	23	23	22	23	24	20	18	17	***	26	23	25	32	35	32	30	30	29	29	27	25
4	27	26	25	25	25	25	25	26	28	27	22	22	22	22	23	23	25	26	26	26	26	27	29	30	25
5	29	30	30	30	27	25	25	25	24	21	21	17	16	18	18	18	19	19	19	18	18	18	19	22	22
6	19	18	18	18	18	18	19	19	23	22	18	19	19	21	19	19	19	18	17	16	15	18	32	26	20
7	29	34	32	26	25	26	29	35	33	25	21	20	18	18	19	21	22	23	21	18	18	18	18	17	24
8	18	18	19	19	19	19	22	27	31	27	25	25	22	21	22	22	22	22	21	19	17	17	17	17	21
9	15	15	17	16	15	15	18	23	26	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17	***	***	***	***	***	***	***	***	***	***	***	16	15	14	12	12	13	15	16	14	13	13	13	12	***
18	12	12	12	13	12	12	12	14	14	13	13	13	13	13	13	13	14	15	18	17	16	16	16	15	14
19	16	17	16	14	13	13	13	13	13	13	14	13	13	13	15	16	16	15	16	16	15	16	14	12	14
20	14	13	13	14	14	14	14	16	16	18	17	17	15	16	16	17	20	20	17	16	16	18	18	18	16
21	19	17	16	16	19	19	18	21	21	19	20	15	14	14	16	16	18	19	18	17	17	16	16	16	17
22	15	16	17	16	16	17	17	23	22	21	20	17	17	18	18	17	22	24	25	30	33	37	27	19	21
23	18	18	18	17	18	19	19	22	24	22	21	***	16	17	15	15	15	15	15	14	14	16	17	18	18
24	18	18	17	16	14	17	15	15	13	17	18	18	17	17	17	17	17	16	16	16	16	15	15	16	16
25	15	14	14	14	14	14	13	13	16	15	15	16	15	15	15	15	16	15	15	15	15	15	14	14	15
26	13	13	13	16	20	16	16	16	14	14	15	19	21	17	16	15	15	16	16	16	14	15	16	16	16
27	15	15	15	15	15	15	16	16	17	16	16	16	15	15	15	16	16	16	15	15	16	22	21	15	16
28	15	16	16	16	16	17	18	20	23	22	***	14	11	11	11	11	12	11	11	11	10	11	12	14	14
29	12	12	12	11	11	11	11	12	12	12	13	12	11	11	12	13	15	15	15	13	13	13	14	18	13
30	16	14	12	11	11	11	13	13	16	17	15	15	13	13	13	15	15	13	11	11	11	12	12	12	13
31	11	11	11	11	12	12	15	18	22	18	15	17	11	11	10	11	11	11	11	13	16	16	10	11	13
MEAN	19	19	19	19	19	19	19	21	22	19	18	17	16	16	16	17	18	19	19	19	19	19	19	18	19

PERCENTAGE OF DATA VALID - 73

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - EVANS/ARNOLD ETOBICOKE OAMST NO 35033

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	23	13	20	30
FEB	24	19	53	95
MAR	29	15	24	39
APR	27	14	19	32
MAY	31	17	22	51
JUN	26	22	30	47
JUL	26	15	23	33
AUG	24	17	27	47
SEP	16	16	20	34
OCT	31	20	36	70
NOV	30	19	31	60
DEC	24	19	29	47
YEAR	311	17	53	95

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL HYDROCARBONS

UNIT - PARTS PER TEN MILLION

STATION - EVANS/ARNOLD ETOBICOKE OAMST NO 35033

	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141-200	201&OVER	TOTAL
JAN	150	279	38	0	0	0	0	0	467
FEB	46	340	24	76	3	1	0	0	490
MAR	91	471	104	11	0	0	0	0	677
APR	134	445	42	1	0	0	0	0	622
MAY	59	481	151	20	0	0	0	0	711
JUN	18	193	316	57	0	0	0	0	584
JUL	79	396	114	3	0	0	0	0	592
AUG	17	362	88	11	0	0	0	0	478
SEP	26	254	47	4	0	0	0	0	331
OCT	18	436	206	74	2	0	0	0	736
NOV	32	385	243	32	0	0	0	0	692
DEC	3	386	131	27	0	0	0	0	547
YEAR	673	4428	1504	316	5	1	0	0	6927

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
79	2	10.1	13.1	15.4	18.1	25.2	29.6	36.9	42.7	95	17.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH JAN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	22	20	20	22	21	21	21	21	21	21	26	25	27	27	27	27	26	31	33	34	33	33	33	32	26
2	46	33	27	23	21	20	20	20	21	21	21	23	24	26	26	26	26	26	26	26	27	27	27	27	25
3	27	27	27	27	27	27	27	27	27	27	29	28	26	26	26	28	29	31	35	33	27	24	23	22	27
4	22	19	19	20	20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13	....	....	....	....	....	....	....	....	....	....	....	18	21	22	19	25	17	18	20	20	19	18	17	18	....
14	19	18	18	17	18	19	21	21	21	23	22	24	25	25	25	26	24	20	20	21	21	21	20	20	21
15	21	21	23	23	22	21	23	23	23	23	22	22	22	23	24	23	21	25	23	21	19	19	18	17	22
16	18	20	19	19	19	19	19	19	19	20	20	20	20	21	21	20	21	22	23	21	21	19	19	21	20
17	20	19	19	19	19	18	18	19	19	19	19	19	19	19	19	19	19	19	18	17	17	17	18	19	19
18	17	19	17	16	17	15	15	15	17	19	18	17	17	18	18	19	20	21	22	18	18	17	17	18	18
19	17	17	17	18	17	17	18	19	19	....	....	....	25	24	23	22	21	21	21	20	19	19	19	19	20
20	19	19	19	20	20	21	23	24	27	28	25	23	....	26	25	23	23	25	21	20	23	21	21	21	22
21	18	18	18	18	19	20	18	20	21	23	23	24	24	25	25	24	23	22	23	25	25	25	24	24	22
22	23	23	23	22	23	22	23	23	25	27	24	21	20	20	23	19	21	21	22	21	19	19	19	19	22
23	19	21	21	24	24	24	24	23	24	25	23	23	24	24	24	23	23	22	23	22	23	24	24	24	23
24	25	24	23	24	24	25	25	25	32	33	29	31	27	25	25	25	24	23	20	19	23	24	25	25	25
25	23	25	24	24	23	24	23	24	27	28	26	25	25	25	23	24	25	26	27	26	25	24	23	23	25
26	23	22	22	21	20	20	19	20	20	21	....	21	18	18	18	17	17	17	17	16	16	15	14	14	19
27	15	15	14	13	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
28													- DATA MISSING -												
29													- DATA MISSING -												
30													- DATA MISSING -												
31													- DATA MISSING -												
MEAN	22	21	21	21	20	20	21	21	22	23	23	22	23	23	23	23	22	23	23	22	22	22	21	21	22

PERCENTAGE OF DATA VALID - 54

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH FEB 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1													- DATA MISSING -												
2													- DATA MISSING -												
3													- DATA MISSING -												
4													- DATA MISSING -												
5													- DATA MISSING -												
6													- DATA MISSING -												
7													- DATA MISSING -												
8													- DATA MISSING -												
9													- DATA MISSING -												
10													- DATA MISSING -												
11													- DATA MISSING -												
12													- DATA MISSING -												
13													- DATA MISSING -												
14													- DATA MISSING -												
15													- DATA MISSING -												
16													- DATA MISSING -												
17	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	38	38	38	38	****
18	38	38	38	38	38	38	38	38	31	31	31	28	25	25	26	26	26	26	26	26	25	25	25	25	30
19	25	25	25	25	25	25	25	25	25	25	25	25	24	24	24	24	23	23	21	21	21	21	21	24	
20	22	22	23	23	23	23	23	23	23	25	25	25	24	24	24	24	25	25	25	25	25	25	25	25	24
21	24	24	24	24	24	24	24	24	24	25	25	25	25	25	27	27	27	29	29	30	29	29	29	29	26
22	27	27	27	27	27	27	27	27	27	30	27	26	26	26	25	24	24	24	24	24	23	23	23	23	26
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	24	24	24	24	25	25	23
24	24	24	24	25	25	25	25	26	27	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
25	27	27	28	28	31	31	29	27	27	33	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
26	28	28	27	28	27	27	27	27	27	33	31	30	30	30	31	31	33	33	33	32	30	29	27	27	29
27	26	25	25	27	28	27	26	26	26	26	26	26	25	25	25	25	25	25	25	25	25	25	25	25	29
28	27	28	28	28	28	28	28	28	28	28	28	29	29	29	29	29	29	29	29	31	31	31	31	29	29
MEAN	26	26	27	27	27	27	27	27	26	29	28	27	26	26	26	26	26	27	27	27	27	27	27	27	27

PERCENTAGE OF DATA VALID - 38

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH MAR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	29	28	28	29	29	27	27	27	30	40	20	39	29	31	27	22	22	22	21	21	23	25	23	23	27
2	22	22	22	21	20	20	20	20	20	19	17	20	21	21	20	20	20	21	21	19	19	18	24	27	21
3	20	19	18	17	17	17	17	17	17	***	***	***	***	***	25	25	25	23	24	22	20	20	19	17	20
4	17	17	19	20	22	22	22	22	20	20	59	66	39	39	25	23	21	21	21	19	20	20	20	20	26
5	19	19	19	19	19	19	19	19	19	19	17	18	17	20	18	19	18	19	21	21	27	30	32	35	33
6	29	27	25	23	22	20	20	19	19	19	19	18	18	17	18	17	18	18	18	17	17	17	15	15	19
7	15	15	14	14	14	14	14	14	14	14	14	14	13	13	13	13	13	13	13	13	13	13	13	13	14
8	13	14	15	15	16	17	19	19	20	23	25	20	14	13	13	13	13	14	14	20	17	16	16	16	16
9	17	18	19	19	20	21	21	23	23	23	***	37	28	23	19	19	17	19	17	17	17	17	18	19	20
10	19	19	19	19	19	19	19	24	21	19	17	17	19	19	17	18	17	18	26	21	23	23	26	29	20
11	24	22	21	18	17	19	19	21	22	23	21	19	19	18	21	19	19	19	24	33	24	18	18	19	21
12	21	31	35	40	35	31	33	39	33	30	30	25	22	22	22	21	21	21	21	20	22	24	29	32	28
13	34	33	36	41	35	29	25	23	21	21	22	22	20	19	17	17	19	23	24	21	20	20	20	19	24
14	19	21	23	19	19	17	15	19	22	21	18	17	16	16	16	16	17	17	17	19	20	21	23	26	19
15	27	23	20	19	18	18	18	19	***	***	***	***	***	***	***	***	***	19	19	19	19	17	17	15	***
16	12	12	11	10	10	11	10	10	11	12	13	13	13	16	17	19	18	18	18	17	17	17	19	18	14
17	18	18	17	17	17	16	16	16	16	17	17	13	13	13	13	13	13	13	13	13	13	13	15	15	15
18	13	13	13	23	16	13	13	14	14	17	19	40	33	33	31	21	24	24	23	22	22	22	21	25	21
19	27	24	22	21	19	17	15	15	13	11	10	10	6	6	6	6	***	***	***	***	***	***	***	***	14
20	- DATA MISSING -																								
21	- DATA MISSING -																								
22	- DATA MISSING -																								
23	- DATA MISSING -																								
24	- DATA MISSING -																								
25	- DATA MISSING -																								
26	- DATA MISSING -																								
27	- DATA MISSING -																								
28	- DATA MISSING -																								
29	- DATA MISSING -																								
30	- DATA MISSING -																								
31	***	***	***	***	***	***	***	***	***	***	***	15	33	33	33	35	19	23	31	38	38	27	25	28	***
MEAN	21	21	21	21	20	19	19	20	20	20	21	23	21	21	20	19	19	19	20	21	21	20	21	22	20
PERCENTAGE OF DATA VALID - 59																									

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH APR 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	20	19	16	15	***	***	***	***	***	***	***	***	15	19	13	15	11	11	10	13	17	16	17	19	15
2	19	21	26	25	21	31	29	29	13	15	25	23	21	20	19	17	14	11	13	19	19	23	21	17	20
3	18	12	14	15	23	25	23	36	36	34	29	29	27	25	25	22	21	19	19	20	20	20	21	21	23
4	26	30	32	37	34	31	29	31	31	28	29	25	22	23	23	23	23	24	24	21	23	23	27	35	27
5	27	32	32	34	35	27	29	30	25	15	15	17	21	18	29	28	27	24	24	24	24	21	21	21	25
6	18	17	17	21	15	15	15	16	17	9	9	13	13	13	15	15	20	17	20	20	23	23	23	25	17
7	34	34	27	25	21	26	28	24	25	8	11	18	17	17	17	17	18	22	22	17	22	20	19	19	21
8	21	22	23	21	17	19	16	19	9	7	8	5	9	9	7	9	11	12	12	12	12	12	11	11	13
9	7	8	6	7	7	8	8	11	11	15	15	31	34	27	24	17	17	14	11	11	9	11	9	8	14
10	6	6	8	6	8	8	9	11	13	15	14	17	13	13	7	9	7	9	10	9	12	10	10	10	10
11	8	7	7	4	4	5	5	5	5	6	7	4	***	***	***	13	14	17	17	17	19	19	20	21	11
12	22	13	17	22	27	25	23	21	23	27	21	28	30	18	11	10	***	***	***	***	***	***	***	***	21
13	***	***	***	***	***	***	***	***	***	***	***	15	14	17	15	17	21	***	***	***	14	16	16	17	29
14	44	45	53	***	***	***	20	16	***	***	***	37	41	39	41	39	38	41	41	41	40	40	37	39	38
15	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	27	24	28	29	32	37	39	40	40	***
16	38	42	42	42	45	39	37	32	25	18	17	16	14	19	21	21	25	26	28	33	38	38	35	39	30
17	39	37	43	43	35	29	23	18	20	19	19	19	19	21	20	21	21	24	29	28	31	30	30	30	27
18	29	27	27	27	27	26	26	25	24	23	23	24	27	27	29	30	30	32	39	44	45	45	41	40	31
19	39	38	35	35	35	32	30	***	12	9	13	9	12	19	***	***	***	***	***	***	***	***	***	***	***
20	***	***	***	***	***	***	***	***	***	***	***	23	14	13	13	12	14	15	15	21	25	19	19	19	***
21	18	16	12	9	9	9	9	11	8	11	6	7	11	12	12	12	12	12	12	13	13	13	13	11	11
22	12	12	12	12	12	12	10	11	10	12	10	20	12	38	15	11	9	7	7	7	6	7	8	8	12
23	8	8	8	8	8	9	9	7	7	7	9	8	11	14	14	16	20	17	15	14	14	14	12	14	11
24	13	13	13	10	11	10	10	9	7	7	7	7	7	7	9	10	9	9	7	7	7	9	11	11	9
25	13	13	13	13	13	13	12	8	7	6	6	7	6	7	10	9	9	11	12	13	13	15	16	13	11
26	12	11	11	14	14	14	14	13	11	11	12	13	14	11	14	14	14	14	14	14	14	14	14	18	13
27	17	17	17	13	13	13	15	15	16	17	14	9	10	10	10	8	7	8	6	7	7	8	10	11	12
28	11	11	12	10	9	7	6	7	9	9	5	8	6	6	6	8	12	11	11	9	9	10	10	10	9
29	9	8	8	6	6	5	5	5	5	5	5	5	6	***	***	11	11	11	12	11	12	14	17	15	9
30	15	15	15	16	16	20	23	20	18	18	18	18	17	17	19	16	12	14	14	14	14	14	13	17	16
MEAN	20	20	20	19	19	18	18	17	15	14	15	16	16	18	17	17	17	17	17	18	19	19	19	20	18
PERCENTAGE OF DATA VALID =					89																				

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH MAY 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	16	16	13	10	7	11	11	7	6	4	4	5	5	6	6	5	6	6	6	7	7	6	6	8
2	10	11	10	10	9	8	7	7	7	6	5	5	4	4	5	5	5	4	5	5	5	5	6	6	6
3	8	7	7	7	7	6	7	7	7	7	7	7	7	7	8	11	11	8	9	9	7	7	7	7	8
4	9	8	8	8	8	6	6	7	7	5	5	5	7	7	9	12	11	8	10	10	12	15	11	11	9
5	11	9	10	10	8	8	9	9	8	7	7	7	9	9	11	9	6	6	11	10	10	12	14	17	9
6	....	....	....	....	....	....	....	....	....	....	17	18	18	18	18	22	22	22	22	22	19	19	17	17	....
7	20	23	22	20	19	18	20	22	20	19	24	30	31	29	28	31	26	22	17	15	15	15	18	15	22
8	17	20	17	16	16	18	19	18	19	18	18	15	14	14	18	24	25	20	20	18	16	18	20	20	18
9	18	17	19	17	16	16	16	16	16	16	16	15	14	12	13	17	20	20	18	20	16	12	13	15	16
10	15	15	15	15	15	14	15	17	16	15	16	20	17	22	28	23	24	22	17	14	14	14	14	14	17
11	14	16	17	18	18	16	16	16	21	17	14	13	13	15	17	19	18	21	18	21	24	26	27	25	18
12	23	24	26	19	19	18	18	20	20	18	18	16	12	14	14	14	14	14	12	12	13	14	16	15	17
13	15	15	15	15	14	16	16	17	21	24	24	24	24	24	26	28	29	32	29	27	25	26	28	28	23
14	27	26	26	26	26	26	25	25	26	24	31	29	29	28	20	17	17	17	14	13	13	14	14	14	22
15	15	15	15	15	14	13	15	15	15	13	12	12	....	....	....	....	....	....	....	....	....	....	....	....	....
16	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
17	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
18	14	13	13	14	13	13	13	13	16	18	18	20	16	16	15	15	15	18	17	17	19	20	21	21	16
19	19	17	17	15	16	16	16	19	16	15	15	15	15	15	17	16	16	16	16	14	14	14	17	14	16
20	13	13	13	12	12	13	14	14	13	13	14	14	14	14	15	15	15	15	15	16	16	15	16	16	14
21	18	18	17	16	18	18	18	19	19	19	19	19	17	15	16	15	16	15	15	15	14	14	14	16	17
22	15	15	16	14	16	16	16	16	17	17	17	17	19	19	20	19	20	17	18	17	17	16	14	15	17
23	18	17	17	17	17	17	20	22	20	18	18	18	18	18	20	20	17	17	17	18	17	16	17	16	18
24	15	15	14	13	14	14	15	15	15	14	14	14	12	13	15	15	13	13	13	13	14	15	16	16	14
25	14	18	17	21	21	18	18	18	17	17	16	16	16	15	15	15	16	15	16	17	15	18	19	20	17
26	18	17	16	16	17	18	20	21	20	21	19	20	21	20	20	19	18	18	19	21	21	20	20	19	19
27	18	18	18	18	18	18	19	21	22	21	21	21	20	23	25	26	25	22	21	21	21	19	18	19	21
28	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
29	30	28	26	26	25	27	29	25	25	25	25	25	25	23	23	23	24	24	24	23	22	23	23	23	25
30	24	24	24	23	23	23	24	24	25	25	26	26	22	22	22	22	22	22	21	21	20	20	20	20	23
31	20	20	23	25	25	25	24	24	24	20	23	22	28	25	28	27	27	30	28	31	27	27	23	23	25
MEAN	17	17	17	16	16	16	16	17	17	16	16	17	17	17	18	18	18	17	17	17	16	17	17	17	17

PERCENTAGE OF DATA VALID - 91

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH JUN 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	23	22	20	21	22	22	22	22	22	22	21	21	21	21	22	28	28	27	25	35	26	26	29	29	24	
2	26	26	26	30	31	26	28	28	21	20	20	20	18	20	20	19	20	20	19	20	19	20	20	20	22	
3	23	24	24	22	21	23	23	24	24	24	24	24	27	25	25	25	25	24	26	26	26	28	29	30	25	
4	32	32	29	29	29	29	34	35	35	28	31	31	31	31	37	46	44	43	43	40	46	49	46	46	37	
5	44	40	37	35	34	33	31	28	25	25	26	26	26	24	25	25	25	25	25	25	27	26	28	29	29	
6	28	28	26	25	22	25	22	21	22	22	22	22	22	22	26	27	26	26	26	28	28	30	33	35	26	
7	31	34	31	28	28	27	28	30	29	26	26	25	28	32	38	35	32	32	30	28	27	27	27	27	29	
8	25	25	23	23	22	22	22	22	22	23	23	24	24	29	30	30	30	32	32	32	31	31	31	32	27	
9	30	30	29	29	29	29	29	29	29	29	29	28	27	29	31	31	31	32	32	34	37	40	42	42	32	
10	35	36	36	37	40	41	41	37	28	28	26	26	25	27	27	31	27	27	28	30	28	25	23	24	31	
11	33	35	33	31	29	24	23	23	23	23	23	22	24	23	23	22	22	26	25	28	28	28	28	27	26	
12	29	29	31	28	29	27	28	29	28	31	33	32	33	36	41	40	36	36	37	41	39	36	40	39	34	
13	38	40	41	39	39	39	39	38	37	35	34	33	34	33	33	33	42	54	52	42	51	55	52	57	41	
14	54	48	51	52	52	48	46	46	45	45	43	41	37	36	33	30	29	28	28	29	32	34	36	37	40	
15	41	42	42	40	40	39	37	35	41	37	33	33	30	28	24	26	28	29	25	28	27	27	27	27	33	
16	32	29	29	28	27	24	25	28	29	29	29	26	23	23	21	21	21	21	21	20	21	22	22	25		
17	21	22	24	25	25	25	25	25	25	25	22	20	24	24	22	25	24	25	25	24	23	25	24	24	24	
18	25	23	21	18	18	18	17	17	17	17	17	17	17	17	14	16	16	14	14	14	14	16	16	16	15	
19	12	11	11	11	11	13	13	13	16	12	12	12	15	18	21	25	20	25	19	19	19	19	24	20	19	
20	18	18	17	20	18	18	20	22	19	19	19	20	21	22	22	25	29	27	28	24	24	27	28	28	26	
21	24	23	23	21	21	21	20	20	19	19	20	21	19	MISSING	MISSING	MISSING	MISSING	18	18	24	25	MISSING	MISSING	MISSING	MISSING	21
22	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	
23	13	10	10	10	11	11	13	11	9	9	10	10	8	11	14	14	14	13	13	13	13	13	13	14	12	
24	16	14	14	14	14	12	12	14	17	15	15	14	13	14	14	14	12	12	16	14	14	14	15	15	14	
25	14	14	10	5	1	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	
26	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	
27	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	
28	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	
29	22	22	23	23	23	25	25	25	25	24	24	18	18	24	24	25	44	34	39	29	25	MISSING	MISSING	MISSING	MISSING	
30	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	MISSING	
MEAN	28	27	26	26	25	26	26	26	25	23	22	22	23	24	24	26	25	26	25	25	26	26	26	27	25	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH SEP 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	19	23	25	27	25	23	24	25	18	15	15	15	16	15	16	18	17	16	15	15	15	15	16	19
2	16	16	15	13	13	13	13	15	17	18	18	17	17	17	17	17	16	16	17	17	17	17	16	16	16
3	16	16	16	16	15	16	15	15	14	14	16	16	15	15	15	15	14	14	13	12	12	12	13	12	14
4	13	13	13	14	12	13	14	14	15	15	15	14	13	12	13	13	14	13	13	13	13	13	13	13	13
5	17	16	15	14	13	13	15	16	15	15	14	14	14	15	15	14	14	14	14	16	16	16	15	14	15
6	16	16	15	15	15	15	16	17	16	18	17	17	16	16	16	17	16	16	16	17	17	18	16	15	16
7	18	18	17	18	16	16	16	17	16	16	17	18	17	17	17	15	16	16	18	19	18	19	19	19	17
8	19	18	18	17	17	18	18	21	23	24	18	17	17	23	27	22	20	19	19	17	16	18	19	16	19
9	15	15	15	15	15	15	15	13	15	15	17	16	25	28	27	21	19	20	21	20	19	19	19	19	18
10	19	21	23	24	23	22	22	22	22	****	18	18	21	23	21	22	21	21	21	21	20	21	22	22	21
11	20	19	19	20	20	20	20	20	20	20	21	21	21	22	23	22	21	21	19	18	19	19	19	20	20
12	18	19	19	18	17	17	17	16	18	18	18	18	22	30	24	21	21	20	21	20	19	20	20	20	20
13	18	18	17	17	17	18	19	20	20	27	41	37	26	24	21	21	22	22	21	26	23	20	19	19	22
14	17	17	17	18	18	20	20	19	20	18	15	14	11	12	12	12	12	12	11	11	11	12	12	12	15
15	11	12	11	11	12	12	12	12	16	15	17	15	12	13	13	13	13	12	12	12	12	12	12	12	13
16	12	12	12	12	14	14	15	17	17	15	14	13	13	13	14	14	14	13	14	13	13	13	12	13	14
17	13	13	14	14	14	13	14	17	16	15	14	17	20	23	22	21	20	20	19	19	19	19	19	17	17
18	18	18	18	18	18	18	18	18	18	18	18	20	19	20	22	21	20	20	18	18	18	18	18	18	19
19	18	21	22	21	21	18	18	20	20	17	17	17	18	18	17	18	17	17	19	19	19	17	17	17	18
20	16	16	16	16	16	****	****	****	****	****	****	****	****	****	****	****	41	35	33	30	28	28	29	27	****
21	24	25	25	25	25	25	26	29	32	31	27	25	25	25	25	25	25	24	24	24	24	24	25	22	25
22	20	21	21	21	22	22	22	22	23	23	22	22	23	22	21	23	23	23	22	22	22	22	21	22	22
23	20	20	20	20	20	20	20	20	22	****	31	29	29	29	29	30	30	27	27	27	27	27	27	27	25
24	28	28	27	26	27	27	27	27	27	26	26	25	25	26	25	25	25	25	25	26	26	27	27	27	26
25	26	26	26	26	25	25	28	35	33	29	26	28	28	30	30	29	30	30	30	30	30	30	31	31	29
26	34	34	39	40	41	38	36	33	34	33	32	32	32	32	32	33	33	34	35	36	38	41	37	35	35
27	33	29	28	29	29	29	30	32	32	34	37	36	30	20	25	29	31	28	30	33	29	25	27	22	29
28	20	20	20	20	20	21	21	23	26	26	23	23	23	23	28	28	27	26	26	25	25	23	21	21	23
29	19	19	21	21	22	23	25	22	20	19	21	20	21	23	20	****	10	10	10	10	9	11	9	8	17
30	10	8	8	9	9	10	11	11	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
MEAN	19	19	19	19	19	19	20	20	21	21	21	21	20	21	21	21	21	20	20	20	20	20	20	19	20

PERCENTAGE OF DATA VALID - 95

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

MONTH NOV 71

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
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21																									
22																									
23	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	11	12	13	12	12	11	10	10	****
24	9	8	8	8	8	8	8	8	9	10	10	10	10	10	10	11	12	12	11	10	10	9	9	10	10
25	9	9	9	9	9	9	9	9	11	12	12	16	21	19	18	18	18	20	21	24	24	26	27	25	16
26	23	21	18	15	15	15	15	16	17	18	18	15	14	13	13	12	15	16	15	13	14	13	13	15	15
27	11	11	10	10	9	8	9	10	11	11	11	11	10	10	10	10	16	15	15	15	15	16	15	14	29
28	18	15	13	14	15	15	14	13	15	14	13	14	16	16	15	15	15	15	15	17	14	14	14	14	15
29	13	13	14	14	15	14	13	14	14	14	14	13	14	15	16	13	13	12	12	13	12	13	13	11	13
30	12	12	11	11	12	12	12	12	11	11	13	13	13	14	15	14	13	13	13	13	13	13	13	13	13
MEAN	14	13	12	11	12	11	11	12	13	13	13	13	15	14	17	14	14	15	14	15	14	14	14	15	14

PERCENTAGE OF DATA VALID - 24

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1971

STATION - ASH ST WATER TANK SUDBURY

NO 77016

POLLUTANT - TOTAL HYDROCARBONS

UNITS - PARTS PER TEN MILLION

MONTH	DAYS OF VALID DATA	AVERAGE CONC.	24-HOUR MAXIMUM	MAXIMUM READING
JAN	19	22	27	46
FEB	12	27	30	39
MAR	20	20	28	66
APR	30	18	38	53
MAY	30	17	25	32
JUN	28	25	41	57
JUL	27	22	35	39
AUG	31	16	21	33
SEP	30	20	35	41
OCT	DATA MISSING			
NOV	8	14	16	31
DEC	13	17	29	41
YEAR	248	20	41	66

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR MANAGEMENT BRANCH

MONTHLY GROUP FREQUENCY CLASSIFICATION FOR 71

POLLUTANT - TOTAL HYDROCARBONS

UNIT - PARTS PER TEN MILLION

STATION - ASH ST WATER TANK SUDBURY

NO 77016

	00 TO 10	11 TO 19	20 TO 30	31 TO 60	61 TO 90	91 - 140	141-200	201&OVER	TOTAL
JAN	0	128	266	15	0	0	0	0	409
FEB	0	0	225	31	0	0	0	0	256
MAR	10	233	166	36	1	0	0	0	446
APR	154	267	151	74	0	0	0	0	646
MAY	99	375	199	5	0	0	0	0	678
JUN	31	115	328	142	0	0	0	0	616
JUL	8	284	168	141	0	0	0	0	601
AUG	27	621	92	1	0	0	0	0	741
SEP	13	360	272	44	0	0	0	0	689
OCT	DATA MISSING								
NOV	39	125	13	1	0	0	0	0	178
DEC	38	139	71	12	0	0	0	0	260
YEAR	419	2647	1951	502	1	0	0	0	5520

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
68	0	10.8	14.9	18.1	22.0	29.4	33.3	38.2	40.6		66	19.7

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